

# FCC UNII 6e REPORT

## Certification

**Applicant Name:**  
SAMSUNG Electronics Co., Ltd.

**Date of Issue:**  
May 30, 2022

**Address:**  
129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

**Test Site/Location:**  
74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA

**Report No.:** HCT-RF-2205-FC008-R3

**FCC ID:** A3LSMG736B

**APPLICANT:** SAMSUNG Electronics Co., Ltd.

**Model:** SM-G736B/DS  
**Additional Model:** SM-G736B  
**EUT Type:** Mobile Phone  
**Modulation type** OFDM / OFDMA  
**FCC Classification:** 15E 6 GHz Low Power Indoor Client (6XD)  
**FCC Rule Part(s):** Part 15.407

**Engineering Statement:**

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

Report No.: HCT-RF-2205-FC008-R3

---

REVIEWED BY



---

Report prepared by : Jeong Ho Kim  
Engineer of Telecommunication Testing Center

---

Report approved by : Jong Seok Lee  
Manager of Telecommunication Testing Center

This test results were applied only to the test methods required by the standard.

This laboratory is not accredited for the test results marked \*.

The above Test Report is the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA. (HCT Accreditation No.: KT197)

\* The report shall not be reproduced except in full(only partly) without approval of the laboratory.

## Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-2205-FC008	May 02, 2022	- First Approval Report
HCT-RF-2205-FC008-R1	May 13, 2022	- All test items of channel 2 were measured again with channel 1, and the measurement results were also replaced. - Revised the test methodology (Page.10) - Revised the Note (Page. 124~134) - Revised the Plot name (Page. 141~143)
HCT-RF-2205-FC008-R2	May 25, 2022	- Revised sample calculation (Page.7) - Revised maximum output power table for 802.11a (Page.8) - Added EIRP calculation formula (Page.70) - Revised Test data SISO EIRP (Page.71~82) - Update & Revised CBP table (Page. 108~ 109)
HCT-RF-2205-FC008-R3	May 30, 2022	- Added the test Data & Revised the Note (Page.108~110)

# Table of Contents

REVIEWED BY.....	2
1. GENERAL INFORMATION.....	5
EUT DESCRIPTION.....	5
ANTENNA CONFIGURATIONS.....	6
2. MAXIMUM OUTPUT POWER.....	8
3. TEST METHODOLOGY.....	9
EUT CONFIGURATION.....	9
EUT EXERCISE.....	9
GENERAL TEST PROCEDURES.....	9
DESCRIPTION OF TEST MODES.....	9
4. INSTRUMENT CALIBRATION.....	10
5. FACILITIES AND ACCREDITATIONS.....	10
5.1 FACILITIES.....	10
5.2 EQUIPMENT.....	10
6. ANTENNA REQUIREMENTS.....	11
7. MEASUREMENT UNCERTAINTY.....	12
8. DESCRIPTION OF TESTS.....	13
9. SUMMARY OF TEST RESULTS.....	34
10. TEST RESULT.....	36
10.1 DUTY CYCLE.....	36
10.2 26 dB BANDWIDTH& 99% BANDWIDTH.....	38
10.2.1 26 dB BANDWIDTH.....	38
10.2.2 99% BANDWIDTH.....	54
10.3 OUTPUT POWER MEASUREMENT.....	70
10.3.1 E.I.R.P Output Power.....	70
10.4 POWER SPECTRAL DENSITY.....	89
10.4.1 E.I.R.P PSD.....	89
10.5 In-Band Emission.....	107
10.6 Contention Based Protocol.....	108
10.7 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz).....	112
10.8 RADIATED SPURIOUS EMISSIONS (Above 1 GHz).....	113
10.9 RADIATED RESTRICTED BAND EDGE.....	128
10.10 POWERLINE CONDUCTED EMISSIONS.....	148
11. LIST OF TESTEQUIPMENT.....	152
12. ANNEX A_ TEST SETUP PHOTO.....	154

## 1. GENERAL INFORMATION

### EUT DESCRIPTION

<b>Model</b>	SM-G736B/DS	
<b>Additional Model</b>	SM-G736B	
<b>EUT Type</b>	Mobile Phone	
<b>Power Supply</b>	DC 3.86 V	
<b>Modulation Type</b>	OFDM / OFDMA	
<b>Frequency Range (MHz)</b>	U-NII-5	20 MHz BW : 5955 - 6415 40 MHz BW : 5965 - 6405 80 MHz BW : 5985 - 6385 160 MHz BW : 6025 - 6345
	U-NII-6	20 MHz BW : 6435 - 6515 40 MHz BW : 6445 - 6525 80 MHz BW : 6465 160 MHz BW : 6505
	U-NII-7	20 MHz BW : 6535 - 6875 40 MHz BW : 6565 - 6845 80 MHz BW : 6545 - 6865 160 MHz BW : 6665 - 6825
	U-NII-8	20 MHz BW : 6895 - 7115 40 MHz BW : 6885 - 7085 80 MHz BW : 6945 - 7025 160 MHz BW : 6985
<b>Straddle channel</b>	Supported	
<b>Date(s) of Tests</b>	March 28, 2022 ~ May 30, 2022	
<b>Serial number</b>	Radiated: R3CT20AK1PL Conducted : R3CT20AKENH Conducted(CBP test Only) : R3CT20AJY5R	

**ANTENNA CONFIGURATIONS**

Configurations	SISO		MIMO	
	Ant.1	Ant.2	SDM	CDD
802.11a	O	X	X	X
802.11ax (HE20/40/80/160)	X	X	O	O

**Note:**

- (1) O = Support, X = Not Support
- (2) SISO = Single Input Single Output
- (3) SDM = Spatial Diversity Multiplexing
- (4) CDD = Cyclic Delay Diversity
- (5) SISO test was performed for the MIMO test result.

2.This device supports simultaneous transmission operation, which allows for two channels to operate independent of one another in the Bluetooth, 5 GHz or 6 GHz bands simultaneously on each antenna.

DBS	2.4 GHz	2.4 GHz	5 GHz	5 GHz	6 GHz	6 GHz	Bluetooth Ant.1	Bluetooth Ant.2
	WiFi Ant.1	WiFi Ant.2	WiFi Ant.1	WiFi Ant.2	WiFi Ant.1	WiFi Ant.2		
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on	
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-

**3. Directional Gain Calculation**

According to KDB 662911 D01 Multiple Transmitter Output v02r01F) 2) f) (ii)

Directional gain =

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

Band	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	N <sub>ANT</sub> / N <sub>SS</sub>	Directional Gain (dBi)
UNII-5	-1.40	-0.10	2 / 2	2.28
UNII-6	-3.10	-0.60	2 / 2	1.25
UNII-7	-5.20	-1.00	2 / 2	0.16
UNII-8	-7.00	-1.80	2 / 2	-1.01

**Note**

According to Ansi C63.10-2013 section 14.4.3, the directional gain is calculated using the formula, where GN is the gain of the nth antenna and NANT is the total number of antennas used.

$$Directional\ Gain = 10 \cdot \log \left( \frac{(10^{(ANT1\ Gain/20)} + 10^{(ANT2\ Gain/20)})^2}{2} \right) \text{ dBi}$$

**Sample Calculation (Conducted Power, MIMO):**

Ex) Ant 1 : 11.58 dBm Ant 2 : 12.08 dBm

$$Ant1 + Ant 2 = MIMO$$

$$(11.58 \text{ dBm} + 12.08 \text{ dBm}) = (14.387 \text{ mW} + 16.143 \text{ mW}) = 30.53 \text{ mW} = 14.88 \text{ dBm}$$

**Sample Calculation (E.I.R.P & E.I.R.P Spectral Density, MIMO):**

Ex) ANT1 : 15.35 dBm , ANT2 : 15.12 dBm, Directional Gain : 3 dBi

$$Conducted\ Power = (15.35 \text{ dBm} + 15.12 \text{ dBm}) = (34.276 \text{ mW} + 32.508 \text{ mW}) = 66.784 \text{ mW} = 18.25 \text{ dBm}$$

$$E.I.R.P = 18.25 \text{ dBm} + 3 \text{ dBi} = 21.25 \text{ dBm}$$

## 2. MAXIMUM OUTPUT POWER

The transmitter has a maximum total average EIRP output power as follows:

Band	Mode	SUM	
		(SISO Ant 1 + SISO Ant 2) EIRP Power	
		(dBm)	(W)
UNII5	802.11ax (HE20)	9.63	0.009
	802.11ax (HE40)	10.33	0.011
	802.11ax (HE80)	10.40	0.011
	802.11ax (HE160)	10.13	0.010
UNII6	802.11ax (HE20)	8.80	0.008
	802.11ax (HE40)	9.50	0.009
	802.11ax (HE80)	8.83	0.008
	802.11ax (HE160)	9.42	0.009
UNII7	802.11ax (HE20)	7.30	0.005
	802.11ax (HE40)	7.81	0.006
	802.11ax (HE80)	8.24	0.007
	802.11ax (HE160)	7.63	0.006
UNII8	802.11ax (HE20)	6.36	0.004
	802.11ax (HE40)	6.03	0.004
	802.11ax (HE80)	6.88	0.005
	802.11ax (HE160)	6.80	0.005

Band	Mode	SISO Ant 1 EIRP Power	
		(dBm)	(W)
UNII5	802.11 a	3.14	0.0021
UNII6	802.11 a	1.31	0.0014
UNII7	802.11 a	-0.88	0.0008
UNII8	802.11 a	-2.20	0.0006



### 3. TEST METHODOLOGY

U-NII 6 GHz devices operating in the 5.925-7.125 GHz band was tested using the following measurement procedure.

[1] FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01v01(February 04, 2021)

[2] KDB 789033 D02 General UNII Test Procedures New Rules v02r01(December 14, 2017)

[3] ANSI C63.10(2013) 'the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices'

### EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

### GENERAL TEST PROCEDURES

#### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2013) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

#### Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.6.5 of ANSI C63.10. (Version: 2013)

### DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

#### **4. INSTRUMENT CALIBRATION**

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment's, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

#### **5. FACILITIES AND ACCREDITATIONS**

##### **5.1 FACILITIES**

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

##### **5.2 EQUIPMENT**

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

## **6. ANTENNA REQUIREMENTS**

### **According to FCC 47 CFR §15.203, §15.407:**

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- (1) The antennas of this E.U.T are permanently attached.
- (2) The E.U.T Complies with the requirement of §15.203, §15.407

## 7. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95 % level of confidence.

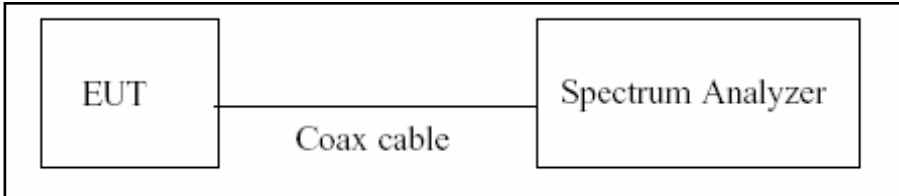
The measurement data shown herein meets or exceeds the  $U_{CISPR}$  measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	2.00 ( Confidence level about 95 %, $k=2$ )
Radiated Disturbance (9 kHz ~ 30 MHz)	4.40 ( Confidence level about 95 %, $k=2$ )
Radiated Disturbance (30 MHz ~ 1 GHz)	5.74 ( Confidence level about 95 %, $k=2$ )
Radiated Disturbance (1 GHz ~ 18 GHz)	5.51 ( Confidence level about 95 %, $k=2$ )
Radiated Disturbance (18 GHz ~ 40 GHz)	5.92 ( Confidence level about 95 %, $k=2$ )
Radiated Disturbance (Above 40 GHz)	5.48 ( Confidence level about 95 %, $k=2$ )

## 8. DESCRIPTION OF TESTS

### 8.1. Duty Cycle

#### Test Configuration



#### Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure B.2 in KDB 789033 D02 v02r01.

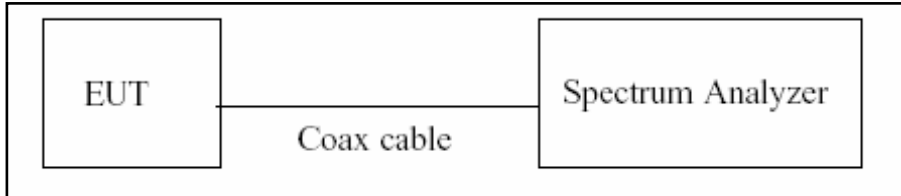
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz ( $\geq$  RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure  $T_{total}$  and  $T_{on}$
8. Calculate Duty Cycle =  $T_{on} / T_{total}$  and Duty Cycle Factor =  $10\log(1/\text{Duty Cycle})$

### 8.2.26 dB Bandwidth

#### Limit

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

#### Test Configuration



#### Test Procedure(26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.1 in KDB 789033 D02 v02r01.

1. RBW = approximately 1 % of the emission bandwidth
2. VBW > RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

#### Note:

1. We tested X dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer.
2. The 26 dB bandwidth is used to determine the in-Band Emission limits.

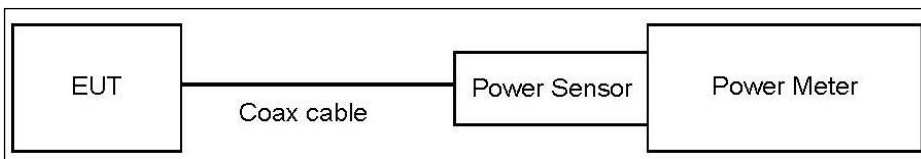
**8.3. Output Power Measurement**

**Limit**

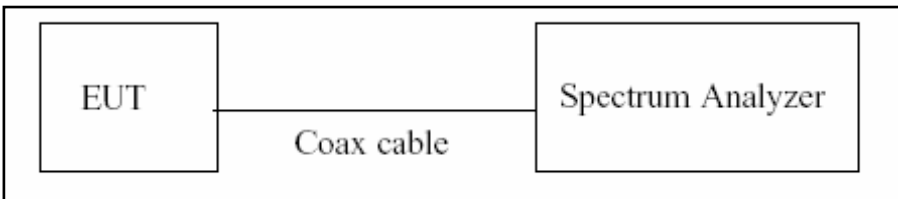
Band	Limit (e.i.r.p)
UNII 5,6,7,8	< 24 dBm

**Test Configuration**

Power Meter



Spectrum Analyzer(Only Straddle Channel)



**Test Procedure(Power Meter)**

We tested according to Procedure E.3.a in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add  $10 \log(1/x)$ , where  $x$  is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

**Test Procedure(Spectrum Analyzer)**

The transmitter output is connected to the Spectrum Analyzer.

We use the spectrum analyzer’s integrated band power measurement function.

We tested according to Procedure E.2.d) in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Set span to encompass the 26 dB EBW of the signal.
3. RBW = 1 MHz.
4. VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2 x span/RBW.
6. Sweep time = auto.
7. Detector = RMS.
8. Do not use sweep triggering. Allow the sweep to “free run”.
9. Trace average at least 100 traces in power averaging(RMS) mode
10. Integrated bandwidth = OBW
11. Add  $10\log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

**Sample Calculation**

Total Power(dBm) = Measured Level(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

**Note**

1. Spectrum Measured Levels are not plot data.

The power results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Spectrum offset

Ant.1: Loss = Attenuator loss(10 dB) + Cable loss + EUT cable Loss

Ant.2: Loss = Attenuator loss(10 dB) + Cable loss

3. Actual value of loss for the attenuator and cable combination is below table.

Band	Ant.1 Loss(dB)	Ant.2 Loss(dB)
UNII 5	11.75	10.90
UNII 6	11.90	10.90
UNII 7	11.90	10.90
UNII 8	12.10	10.90

(Actual value of loss for the attenuator and cable combination)

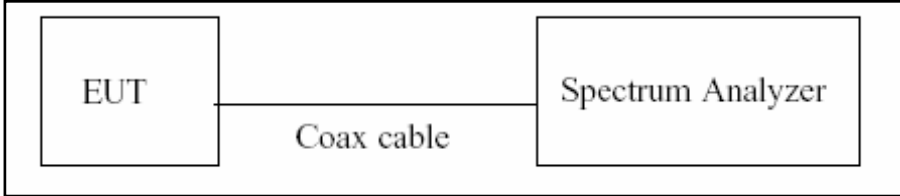


**Limit**

Operating Mode	Band	Mode	E.I.R.P Limit (dBm)
MIMO	UNII 5	802.11ax HE20/HE40/HE80/HE160	24
	UNII 6		
	UNII 7	802.11a	
	UNII 8		

**8.4. Power Spectral Density**

**Test Configuration**



**Test Procedure**

We tested according to Procedure F in KDB 789033 D02 v02r01.

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2 x span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.

**Limit**

Operating Mode	Band	Mode	E.I.R.P Limit (dBm/MHz)
MIMO	UNII 5	802.11ax HE20/HE40/HE80/HE160	-1
	UNII 6		
	UNII 7		
	UNII 8		

**Sample Calculation**

Total PSD(dBm) = Measured Level(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

**Note**

1. Spectrum Measured Levels are not plot data.

The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.

2. Spectrum offset

Ant.1: Loss = Attenuator loss(10 dB) + Cable loss + EUT cable Loss

Ant.2: Loss = Attenuator loss(10 dB) + Cable loss

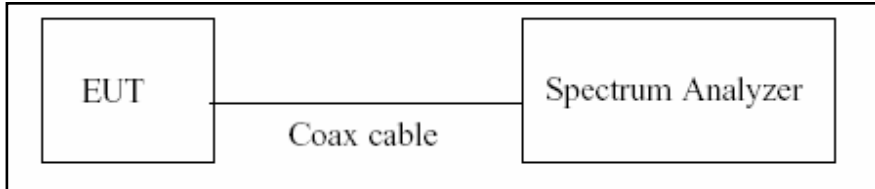
3. Actual value of loss for the attenuator and cable combination is below table.

<b>Band</b>	<b>Ant.1 Loss(dB)</b>	<b>Ant.2 Loss(dB)</b>
UNII 5	11.75	10.90
UNII 6	11.90	10.90
UNII 7	11.90	10.90
UNII 8	12.10	10.90

(Actual value of loss for the attenuator and cable combination)

## 8.5. In-Band Emission (Emissions Mask)

### Test Configuration

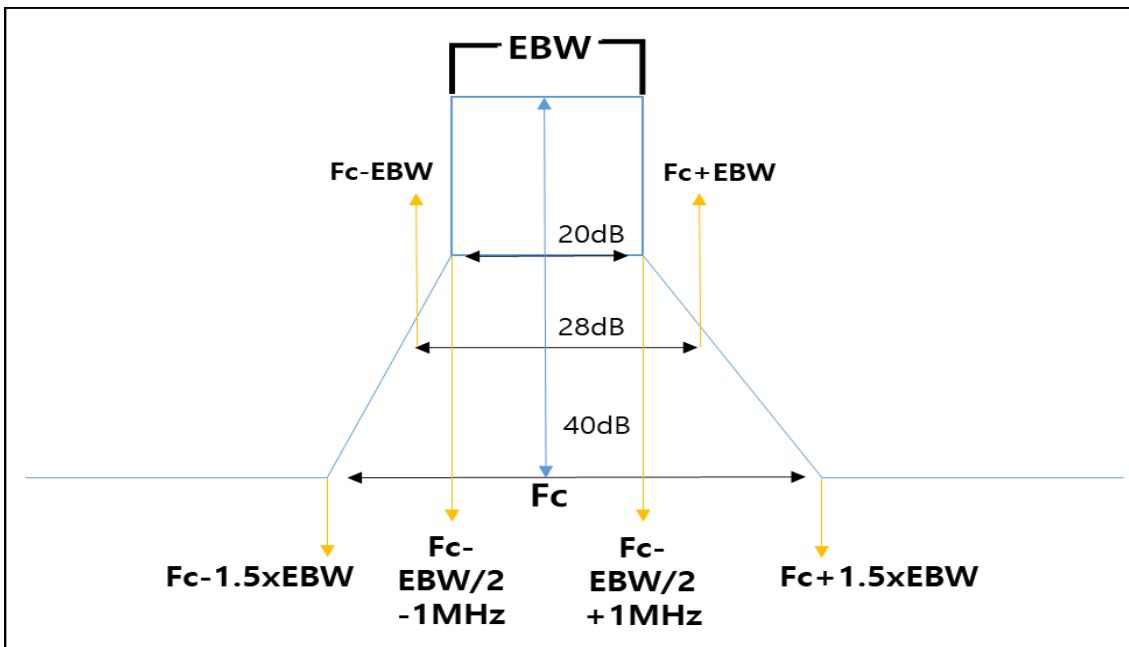


### Test Procedure

We tested according to Procedure J in KDB 987594 D02.

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
  - a. Set the span to encompass the entire 26 dB EBW of the signal.
  - b. Set RBW = same RBW used for 26 dB EBW measurement.
  - c. Set VBW  $\geq 3 \times$  RBW
  - d. Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
  - e. Sweep time = auto.
  - f. Detector = RMS (i.e., power averaging)
  - g. Trace average at least 100 traces in power averaging (rms) mode.
  - h. Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.

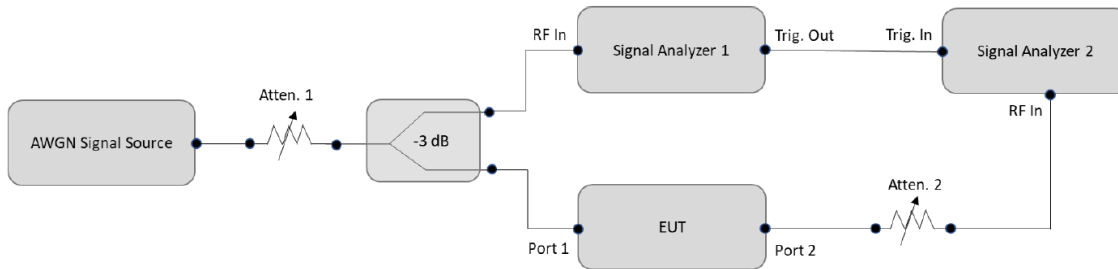
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
  - a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
  - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
  - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.



Generic Emission Mask

## 8.6. Contention Based Protocol

### Test Configuration



### Test Procedure

We tested according to Procedure I in KDB 987594 D02.

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Test Configuration. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Test Configuration.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

**Sample Calculation**

Incumbent signal Power(dBm) = Measured Value(dBm)

Modified Detection Limit(dBm) = Detection Limit(-62 dBm) + Antenna Gain(dBi)

**8.7. Radiated Test**

**Limit**

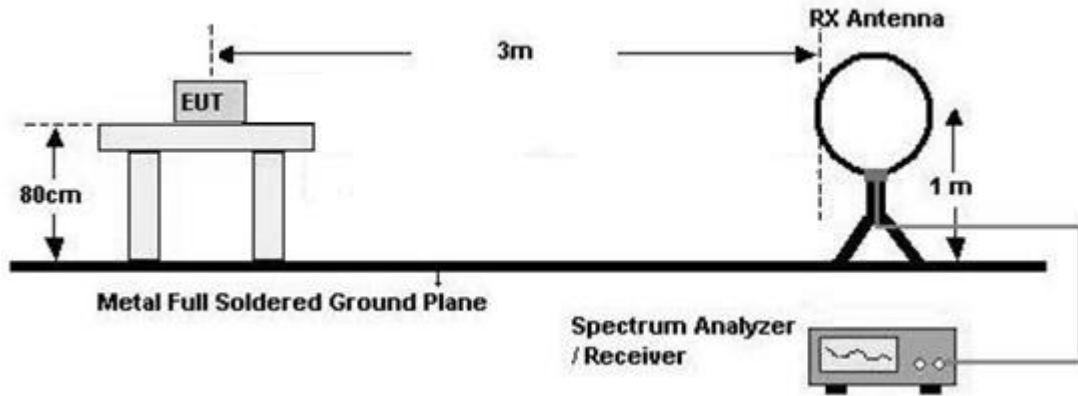
1. For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.
  
2. All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Section 15.209.

Frequency (MHz)	Field Strength ( $\mu\text{V/m}$ )	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

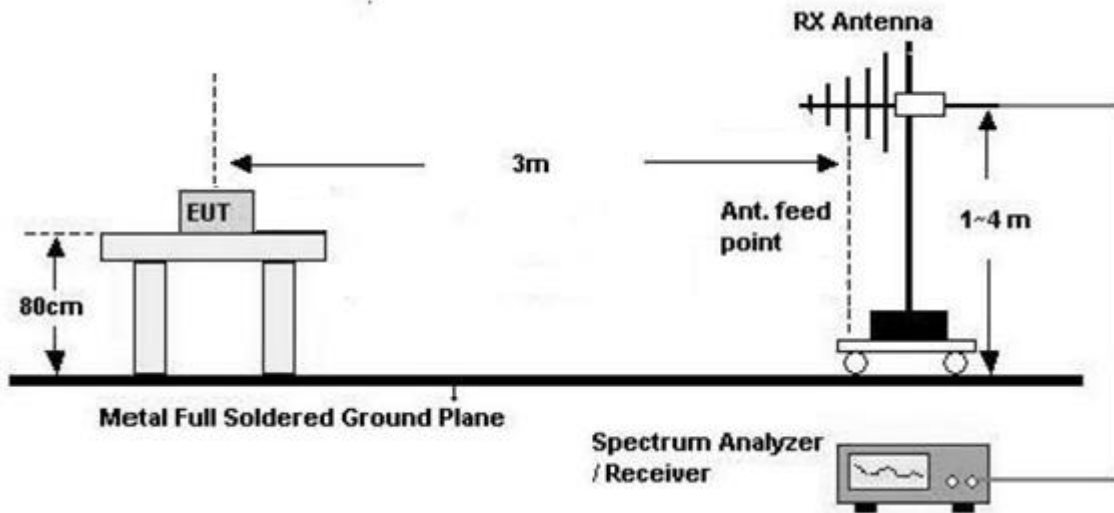


**Test Configuration**

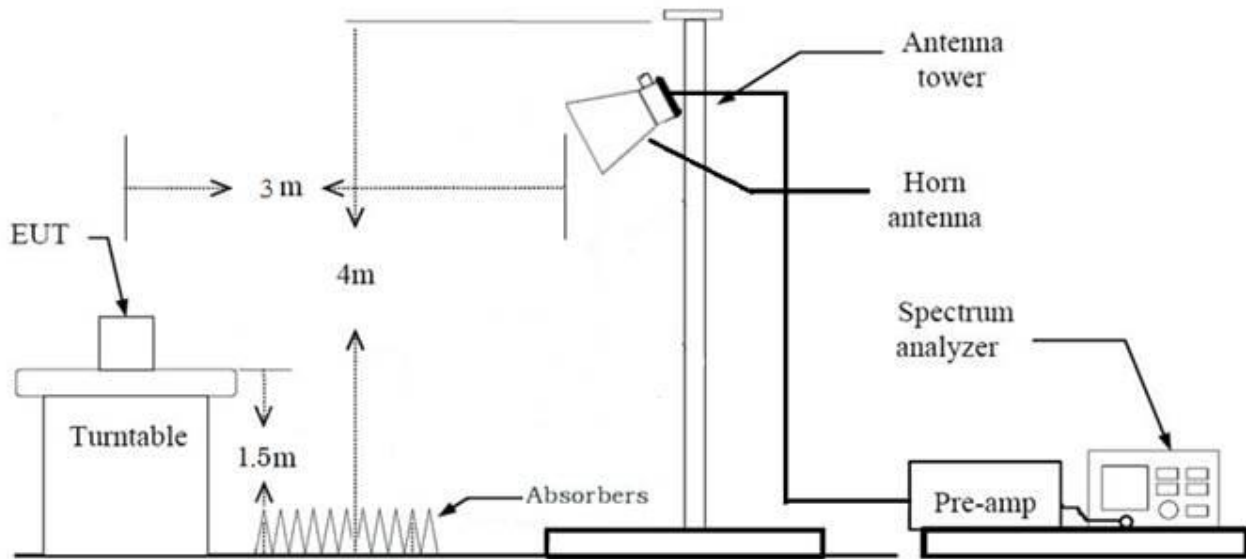
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



**Test Procedure of Radiated spurious emissions(Below30 MHz)**

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT
3. The EUT is placed on a turntable, which is 0.8m above ground plane.
4. .We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Distance Correction Factor(0.009 MHz – 0.490 MHz) = $40\log(3\text{ m}/300\text{ m}) = - 80\text{ dB}$   
Measurement Distance : 3 m
7. Distance Correction Factor(0.490 MHz – 30 MHz) = $40\log(3\text{ m}/30\text{ m}) = - 40\text{ dB}$   
Measurement Distance : 3 m
8. Spectrum Setting
  - Frequency Range = 9 kHz ~ 30 MHz
  - Detector = Peak
  - Trace = Max Hold
  - RBW = 9 kHz
  - VBW  $\geq 3 \times$  RBW
- 9.Total = Measured Level + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)
10. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

**KDB 414788 OFS and Chamber Correlation Justification**

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

**Test Procedure of Radiated spurious emissions(Below 1 GHz)**

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The EUT is placed on a turntable, which is 0.8m above ground plane.
3. The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1 m to 4 m to find out the highest emissions.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Spectrum Setting
  - (1) Measurement Type(Peak):
    - Measured Frequency Range : 30 MHz – 1 GHz
    - Detector = Peak
    - Trace = Max Hold
    - RBW = 100 kHz
    - VBW  $\geq$  3 x RBW
  - (2) Measurement Type(Quasi-peak):
    - Measured Frequency Range : 30 MHz – 1 GHz
    - Detector = Quasi-Peak
    - RBW = 120 kHz
- ※ In general, (1) is used mainly
- 7.Total = Measured Level + Antenna Factor(A.F) + Cable Loss(C.L)
8. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

**Test Procedure of Radiated spurious emissions (Above 1 GHz)**

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting
  - (1) Measurement Type(Peak, G.5 in KDB 789033 v02r01):
    - RBW = 1 MHz
    - VBW  $\geq$  3 MHz
    - Detector = Peak
    - Sweep Time = auto
    - Trace mode = Max Hold
    - Allow sweeps to continue until the trace stabilizes.Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.
  - (2) Measurement Type (Average, G.6.c in KDB 789033 v02r01):
    - RBW = 1 MHz
    - VBW  $\geq$  3 MHz
    - The analyzer is set to linear detector mode.
    - Averaging type = power (i.e., RMS)
    - Sweep time = auto.
    - Trace mode = average (at least 100 traces).
    - If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.
9. Distance extrapolation factor =  $20\log(\text{test distance} / \text{specific distance})$  (dB)

10. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor
11. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency
12. Distance extrapolation factor =  $20\log(\text{test distance} / \text{specific distance})$  (dB)
13. Total = Measured Level + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(G) + Distance Factor(D.F)

**Test Procedure of Radiated Restricted Band Edge**

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting
  - (1) Measurement Type(Peak, G.5 in KDB 789033 v02r01):
    - RBW = 1 MHz
    - VBW  $\geq$  3 MHz
    - Detector = Peak
    - Sweep Time = auto
    - Trace mode = Max Hold
    - Allow sweeps to continue until the trace stabilizes.Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.
  - (2) Measurement Type (Average, G.6.c in KDB 789033 v02r01):
    - RBW = 1 MHz
    - VBW  $\geq$  3 MHz
    - The analyzer is set to linear detector mode.
    - Averaging type = power (i.e., RMS)
    - Sweep time = auto.
    - Trace mode = average (at least 100 traces).
    - If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.
9. Distance extrapolation factor =  $20\log(\text{test distance} / \text{specific distance})$  (dB)
10. Total = Measured Level + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(G) + Attenuator + Distance Factor(D.F)

**8.8. Test RU offset for Tones**

BW (MHz)	Tones (T)	RU offset	Test RU offset		
			Low	Mid	High
20	26	0~8	0	4	8
	52	37~40	37	38	40
	106	53~54	53	-	54
	242	61	-	61	-
40	26	0~17	0	9	17
	52	37~44	37	41	44
	106	53~56	53	54	56
	242	61~62	61	-	62
	484	65	-	65	-
80	26	0~36	0	18	36
	52	37~52	37	45	52
	106	53~60	53	57	60
	242	61~64	61	62	64
	484	65~66	65	-	66
	996	67	-	67	-
160	26	0~36	0	18	36
	52	37~52	37	45	52
	106	53~60	53	57	60
	242	61~64	61	62	64
	484	65~66	65	-	66
	996	67	-	67	-

**8.9. Worst case configuration and mode****Conducted test**

1. All data rate of operation were investigated and the worst case results are reported.
  - HE20 : MCS 0
  - HE40 : MCS 0
  - HE80 : MCS 0
  - HE160 : MCS 0
  - 802.11 a : 6 Mbps
2. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.  
(Worst case : SM-G736B/DS)

**Radiated test**

1. All modes of operation were investigated and the worst case configuration results are reported.
  - Mode : Stand alone, Stand alone + External accessories(Earphone, etc)
  - Worstcase : Stand alone
2. EUT Axis
  - Radiated Spurious Emissions : Y
  - Radiated Restricted Band Edge : X
3. All data rate of operation were investigated and the worst case results are reported.  
(Worst case : MCS0)
4. All Antenna of operation were investigated and the worst case results are reported
  - Mode : Ant1+Ant2(SDM), Ant1+Ant2(CDD)
  - Worstcase : Ant1+Ant2(CDD)
5. All position of loop antenna were investigated and the test result is a no critical peak found at all positions.
  - Position : Horizontal, Vertical, Parallel to the ground plane
6. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.  
(Worst case : SM-G736B/DS)

7. All mode(Tone, RU Offset) of operation were investigated and the worst case configuration results are reported

Test	Tone	RU Offset
RSE	Worst case(Highest Power) [802.11a] 6 Mbps [HE 20] 242T (Band NII5,6,7,8) [HE40] 484T (Band NII-5) [HE80] 996T (Band NII-5) [HE160] SU (Band NII-5)	[802.11a] - [HE 20] 61 [HE40] 65 [HE80] 67 [HE160] -
Bandedge (UNII5,8)	[802.11a] 6 Mbps [HE 20] : 26T, 52T, 106T, 242T, SU [HE 40] : 484, SU [HE 80] : 996T, SU [HE 160L&U] : 996T [HE 160] : SU	[802.11a] - [HE20] Low Edge: 0, 37, 53 High Edge: 8, 40, 54 Full tone : 61 [HE40] Full tone : 65 [HE80] Full tone : 67 [HE160(80L&80U)] Full tone : 67



**Radiated test(DBS)**

1. Please refer to the SM-G736B/DS[UNII] Test Report.
2. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.  
(Worst case : SM-G736B/DS)

**AC Power line Conducted Emissions**

1. All modes of operation were investigated and the worst case configuration results are reported.
  - Mode : Stand alone + External accessories(Earphone, Keyboard etc)+Travel Adapter, Stand alone + Travel Adapter
  - Worstcase : Stand alone + Travel Adapter
2. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.  
(Worst case : SM-G736B/DS)

**9. SUMMARY OF TEST RESULTS**

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
26dB Bandwidth	§15.407(a)(10) (for Power Measurement)	Channel Bandwidth(26dB EBW) < 320 MHz	Conducted	PASS
Output Power Maximum EIRP	§15.407(a)(4)~(8)	<u>U-NII-5(5925-6425 MHz) &amp; U-NII-7(6525-6875 MHz)</u> Standard-Power Access Point (AFC Controlled) EIRP < 36 dBm Client(Connected to standard-Power Access Point) EIRP < 30 dBm <u>U-NII-5(5925-6425 MHz) &amp; U-NII-6(6425-6525 MHz)</u> <u>U-NII-7(6525-6875 MHz) &amp; U-NII-8(6875-7125 MHz)</u> Low-Power Access Point (indoor only) EIRP < 30 dBm Client (Connected to Low-Power Access Point) EIRP < 24 dBm		PASS
Output Power Maximum EIRP Power Spectral Density	§15.407(a)(4)~(8)	<u>U-NII-5(5925-6425 MHz) &amp; U-NII-7(6525-6875 MHz)</u> Standard-Power Access Point (AFC Controlled) < 33 dBm/MHz (EIRP) Client(Connected to standard-Power Access Point) < 17 dBm/MHz (EIRP) <u>U-NII-5(5925-6425 MHz) &amp; U-NII-6(6425-6525 MHz)</u> <u>U-NII-7(6525-6875 MHz) &amp; U-NII-8(6875-7125 MHz)</u> Low-Power Access Point (indoor only) < 5 dBm/MHz (EIRP) Client (Connected to Low-Power Access Point) < -1 dBm/MHz (EIRP)		PASS
AC Conducted Emissions 150 kHz-30 MHz	15.407 (b)(9)	<FCC 15.207 limits		PASS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
Contention Based Protocol	§15.407(d)(6)	Detect co-channel energy with 90% or greater certainty.	Conducted	PASS
In-Band Emissions (Emissions Mask)	§15.407(b)(7)	For transmitters operating within the (5925-7125 MHz) bands Power spectral density (channel bandwidth =26dB EBW) a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.) b. Suppressed by 28 dB at one channel bandwidth from the channel center. c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.		PASS
Undesirable Emissions	§15.407(b) §15.35(b)	<-27 dBm/MHz EIRP (UNII5, 6, 7, 8)	Radiated	PASS
General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	15.205, 15.407(b)(5), (6)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		PASS

## 10. TEST RESULT

### 10.1 DUTY CYCLE

#### 10.1.1 802.11 ax Duty Cycle

Mode	Tones	Data Rate (Mbps)	T <sub>on</sub> (ms)	T <sub>total</sub> (ms)	Duty Cycle	Duty Cycle Factor (dB)
HE 20M	26	MCS0	2.597	2.614	0.993	0.030
	52	MCS0	2.592	2.609	0.993	0.030
	106	MCS0	1.436	1.454	0.988	0.053
	242	MCS0	0.676	0.692	0.978	0.097
HE 40M	26	MCS0	2.597	2.612	0.994	0.025
	52	MCS0	2.592	2.609	0.993	0.030
	106	MCS0	1.436	1.452	0.990	0.046
	242	MCS0	0.676	0.692	0.978	0.097
	484	MCS0	0.383	0.400	0.956	0.197
HE 80M	26	MCS0	2.594	2.612	0.993	0.030
	52	MCS0	2.594	2.609	0.994	0.025
	106	MCS0	1.436	1.452	0.990	0.046
	242	MCS0	0.676	0.692	0.978	0.097
	484	MCS0	0.383	0.400	0.956	0.197
	996	MCS0	0.233	0.248	0.939	0.274
HE 160M	26	MCS0	2.597	2.612	0.994	0.025
	52	MCS0	2.592	2.607	0.994	0.025
	106	MCS0	1.436	1.452	0.990	0.046
	242	MCS0	0.676	0.692	0.978	0.097
	484	MCS0	0.383	0.400	0.956	0.197
	996	MCS0	0.231	0.248	0.929	0.322
802.11ax (SU)	BW 20	MCS0	5.453	5.472	0.997	0.015
	BW 40	MCS0	5.452	5.472	0.996	0.016
	BW 80	MCS0	5.457	5.472	0.997	0.012
	BW 160	MCS0	5.453	5.468	0.997	0.012

# continuous wave. (Duty Cycle > 98%)

**10.1.2 802.11 a Duty Cycle**

Mode	Data Rate (Mbps)	T <sub>on</sub> (ms)	T <sub>total</sub> (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11a	6 Mbps	1.464	1.563	0.937	0.284

**Note:**

1. Duty Cycle Factor =  $10 \cdot \log(1/\text{Duty Cycle})$ . where, Duty Cycle =  $T_{\text{on}} / T_{\text{total}}$

## 10.2 26 dB BANDWIDTH& 99% BANDWIDTH

### 10.2.1 26 dB BANDWIDTH

#### 10.2.1.1 SISO Ant1

#### 802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	20.02	20.64	21.31	-	-
			Mid	18.60	19.25	-	22.33	21.57
			High	20.47	20.31	20.86	-	-
	6175	45	Low	20.21	20.92	21.29	-	-
			Mid	18.43	19.29	-	22.31	20.79
			High	20.38	20.09	20.69	-	-
	6415	93	Low	20.19	21.01	21.31	-	-
			Mid	18.47	18.83	-	22.32	21.24
			High	20.36	20.24	20.86	-	-
UNII 6	6435	97	Low	20.53	21.06	21.25	-	-
			Mid	18.85	18.70	-	22.36	20.96
			High	20.53	20.33	20.71	-	-
	6475	105	Low	20.37	20.72	21.26	-	-
			Mid	18.51	19.18	-	22.49	21.12
			High	20.31	20.33	20.80	-	-
	6515	113	Low	20.27	21.08	21.06	-	-
			Mid	18.68	19.03	-	22.24	21.60
			High	20.71	20.04	20.99	-	-
UNII 7	6535	117	Low	20.51	20.90	21.27	-	-
			Mid	18.59	19.15	-	22.35	21.16
			High	20.66	20.79	20.68	-	-
	6695	149	Low	20.42	20.99	21.42	-	-
			Mid	18.75	19.04	-	22.42	21.17
			High	20.67	20.16	20.92	-	-
	6875	185	Low	20.41	20.64	21.00	-	-
			Mid	18.89	19.11	-	22.35	21.34
			High	20.45	20.56	20.93	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 8	6895	189	Low	20.36	20.68	21.18	-	-
			Mid	18.72	19.21	-	22.41	20.93
			High	20.52	20.39	20.87	-	-
	6995	209	Low	20.15	20.70	21.33	-	-
			Mid	18.81	18.30	-	22.16	21.28
			High	20.41	20.41	20.86	-	-
	7115	233	Low	20.24	21.04	21.35	-	-
			Mid	18.43	18.71	-	22.45	21.06
			High	20.67	20.16	21.00	-	-

**802.11ax(HE40)**

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	40.37	40.50	40.86	41.52	-	-
			Mid	38.05	38.23	38.45	-	43.47	40.82
			High	40.19	40.38	40.76	42.34	-	-
	6165	43	Low	40.34	40.23	40.81	42.24	-	-
			Mid	38.11	38.12	38.67	-	43.65	40.59
			High	40.03	40.65	41.13	42.44	-	-
	6405	91	Low	40.36	40.61	40.91	41.82	-	-
			Mid	38.07	38.25	38.57	-	43.72	40.62
			High	40.38	40.61	40.73	42.19	-	-
UNII 6	6445	99	Low	40.00	40.47	40.98	42.02	-	-
			Mid	37.98	38.24	38.70	-	43.64	40.54
			High	40.63	40.45	40.31	42.44	-	-
	6485	107	Low	40.23	40.91	40.87	41.69	-	-
			Mid	38.23	38.17	38.85	-	43.75	40.53
			High	40.17	40.33	40.78	42.21	-	-
	6525	115	Low	40.25	40.68	40.85	41.89	-	-
			Mid	38.08	38.22	38.39	-	43.72	40.65
			High	40.44	40.73	40.78	42.34	-	-
UNII 7	6565	123	Low	39.87	40.67	40.92	41.58	-	-
			Mid	38.03	38.15	38.39	-	43.49	40.65
			High	39.98	40.46	41.40	42.06	-	-
	6685	147	Low	40.60	40.52	40.30	41.67	-	-
			Mid	38.04	38.22	38.46	-	43.58	40.53
			High	40.13	41.17	40.94	42.80	-	-
	6845	179	Low	40.44	40.79	40.73	41.30	-	-
			Mid	37.91	38.18	38.37	-	43.66	40.53
			High	40.17	41.06	40.49	42.14	-	-
UNII 8	6885	187	Low	40.53	40.71	40.77	41.60	-	-
			Mid	38.14	38.22	38.39	-	43.51	40.78
			High	40.30	40.59	40.77	42.14	-	-
	7005	211	Low	40.47	40.76	40.53	42.32	-	-
			Mid	38.14	38.14	38.30	-	43.49	40.61
			High	40.13	40.59	41.01	42.21	-	-



HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
	7085	227	Low	40.62	40.42	40.91	41.37	-	-
Mid			37.25	38.32	38.91	-	43.61	40.77	
High			40.41	40.75	40.75	42.19	-	-	

**802.11ax(HE80)**

HE80	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	81.79	82.28	82.43	83.45	85.20	-	-
			Mid	78.64	78.56	79.63	82.32	-	89.24	82.56
			High	81.46	82.89	81.88	85.36	84.44	-	-
	6145	39	Low	81.45	83.33	82.39	84.78	84.92	-	-
			Mid	78.04	78.52	78.75	81.73	-	87.96	82.16
			High	81.69	81.60	81.94	85.33	84.10	-	-
	6385	87	Low	81.58	83.41	82.72	84.34	84.43	-	-
			Mid	78.23	78.59	78.75	82.59	-	90.53	82.44
			High	81.17	82.86	82.06	84.23	84.24	-	-
UNII 6	6465	103	Low	81.82	83.02	82.37	84.30	84.51	-	-
			Mid	78.45	78.45	79.15	82.50	-	89.29	82.29
			High	81.82	82.43	81.99	84.35	84.40	-	-
UNII 7	6545	119	Low	81.23	83.13	82.40	83.97	84.42	-	-
			Mid	78.35	78.80	78.73	82.44	-	90.94	82.48
			High	81.86	82.02	83.07	86.31	84.53	-	-
	6705	151	Low	81.80	83.18	82.13	83.52	84.65	-	-
			Mid	78.23	78.40	78.93	82.60	-	87.75	82.44
			High	80.70	82.52	81.78	85.19	84.50	-	-
	6865	183	Low	82.39	82.38	82.16	83.73	84.39	-	-
			Mid	78.28	78.93	79.09	82.40	-	89.05	81.83
			High	81.46	83.08	82.40	84.11	84.14	-	-
UNII 8	6945	199	Low	81.34	83.34	82.62	83.29	84.63	-	-
			Mid	78.03	78.58	79.12	82.13	-	88.52	82.36
			High	82.37	82.76	82.33	84.49	84.17	-	-
	7025	215	Low	80.98	82.81	82.16	83.91	84.36	-	-
			Mid	77.83	78.79	78.60	82.30	-	88.04	81.79
			High	81.99	82.82	81.90	84.63	84.16	-	-

**802.11ax(HE160 80L)**

HE80_L	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	162.7	162.5	163.7	164.5	167.1	-
			Mid	158.1	158.6	159.3	162.3	-	171.7
			High	157.8	158.4	159.8	161.7	163.2	-
	6185	47	Low	164.1	163.9	164.7	164.6	167.7	-
			Mid	157.8	158.5	158.8	161.5	-	168.6
			High	156.7	158.4	159.2	162.0	163.1	-
	6345	79	Low	163.5	163.9	164.2	166.1	166.5	-
			Mid	157.8	158.5	159.0	162.2	-	170.5
			High	147.8	158.6	159.2	161.9	163.7	-
UNII 6	6505	111	Low	164.4	163.2	163.8	165.0	165.4	-
			Mid	158.1	158.4	159.1	161.7	-	171.2
			High	157.4	158.6	159.0	161.2	163.5	-
UNII 7	6665	143	Low	163.0	163.6	164.4	164.6	166.7	-
			Mid	158.2	157.7	159.2	162.0	-	169.5
			High	156.8	149.7	159.1	161.5	163.4	-
	6825	175	Low	162.9	163.2	165.1	165.0	166.6	-
			Mid	158.2	158.4	159.8	161.2	-	168.6
			High	156.9	158.1	159.3	161.6	163.4	-
UNII 8	6985	207	Low	161.4	163.5	164.2	163.9	166.4	-
			Mid	158.1	158.2	158.8	161.8	-	168.6
			High	157.8	158.7	159.5	161.4	163.0	-

**802.11ax(HE160 80U)**

HE80_U	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	157.6	158.2	158.9	161.5	162.4	-
			Mid	158.6	158.7	159.3	161.8	-	166.8
			High	162.8	161.6	164.5	165.9	168.1	-
	6185	47	Low	157.9	158.6	159.3	162.5	163.4	-
			Mid	158.2	158.5	159.2	161.5	-	166.4
			High	164.0	163.5	163.7	165.5	167.8	-
	6345	79	Low	157.8	158.1	159.4	161.8	162.9	-
			Mid	147.0	157.0	159.5	162.3	-	166.2
			High	163.0	162.5	164.0	165.8	165.9	-
UNII 6	6505	111	Low	154.2	158.5	158.9	162.3	164.2	-
			Mid	157.4	158.0	159.9	161.9	-	166.7
			High	159.3	162.5	164.5	165.7	166.4	-
UNII 7	6665	143	Low	158.5	158.6	159.5	162.7	162.5	-
			Mid	158.1	157.9	159.2	162.4	-	166.2
			High	161.0	163.6	163.1	165.7	168.4	-
	6825	175	Low	158.1	158.3	159.7	162.2	163.4	-
			Mid	157.5	158.5	159.0	161.5	-	166.6
			High	163.7	162.8	164.2	165.7	167.4	-
UNII 8	6985	207	Low	153.2	158.4	159.3	162.4	162.9	-
			Mid	157.5	158.6	159.4	163.2	-	167.0
			High	163.6	163.7	163.7	167.3	168.0	-

**802.11ax(HE160 SU)**

HE160_SU	Frequency [MHz]	Channel No.	26 dB BW (MHz)
			SU
UNII 5	6025	15	164.8
	6185	47	163.6
	6345	79	165.2
UNII 6	6505	111	165.0
UNII 7	6665	143	166.1
	6825	175	164.6
UNII 8	6985	207	165.8

**802.11a**

802.11a	Frequency [MHz]	Channel No.	26 dB BW (MHz)
UNII 5	5955	1	19.75
	6175	45	19.88
	6415	93	19.94
UNII 6	6435	97	20.00
	6475	105	19.85
	6515	113	19.87
UNII 7	6535	117	19.85
	6695	149	19.85
	6875	185	19.96
UNII 8	6895	189	19.85
	6995	209	20.40
	7115	233	19.86

10.2.1.2SISO Ant2

**802.11ax(HE20)**

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	20.33	20.49	21.44	-	-
			Mid	18.69	19.04	-	22.30	21.63
			High	20.37	19.96	20.85	-	-
	6175	45	Low	20.65	21.21	21.11	-	-
			Mid	18.80	18.92	-	22.30	21.23
			High	20.51	20.52	20.84	-	-
	6415	93	Low	20.35	20.94	21.11	-	-
			Mid	18.78	18.81	-	22.29	21.05
			High	20.50	20.59	20.89	-	-
UNII 6	6435	97	Low	20.48	20.85	21.38	-	-
			Mid	18.82	18.65	-	22.38	21.29
			High	20.58	20.47	20.80	-	-
	6475	105	Low	20.51	20.77	21.45	-	-
			Mid	18.42	19.03	-	22.39	21.14
			High	20.62	20.55	20.82	-	-
	6515	113	Low	20.17	20.69	21.40	-	-
			Mid	18.80	19.29	-	22.40	21.12
			High	20.65	20.53	20.80	-	-
UNII 7	6535	117	Low	20.31	21.01	21.01	-	-
			Mid	18.74	19.16	-	22.47	21.37
			High	20.30	20.47	20.99	-	-
	6695	149	Low	20.31	21.11	21.29	-	-
			Mid	18.35	18.96	-	22.32	21.23
			High	20.60	20.38	20.59	-	-
	6875	185	Low	20.58	20.69	21.42	-	-
			Mid	18.76	18.94	-	22.40	21.18
			High	20.31	20.53	20.53	-	-
UNII 8	6895	189	Low	20.54	20.90	21.27	-	-
			Mid	18.73	18.48	-	22.50	21.14
			High	20.59	20.50	20.75	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
	6995	209	Low	20.41	20.97	21.15	-	-
			Mid	18.80	19.14	-	22.37	21.01
			High	20.59	20.55	20.89	-	-
	7115	233	Low	20.20	20.89	21.25	-	-
			Mid	18.49	18.42	-	22.36	21.09
			High	20.59	20.51	20.36	-	-

**802.11ax(HE40)**

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	40.18	40.84	40.92	41.79	-	-
			Mid	37.97	38.36	38.53	-	43.70	40.82
			High	40.38	41.08	40.69	42.20	-	-
	6165	43	Low	40.59	40.47	40.93	41.88	-	-
			Mid	38.01	38.20	38.65	-	43.68	40.56
			High	40.40	40.43	41.35	42.15	-	-
	6405	91	Low	40.43	40.82	41.00	41.77	-	-
			Mid	38.09	38.24	38.54	-	43.73	40.32
			High	40.43	41.16	40.97	42.26	-	-
UNII 6	6445	99	Low	40.66	40.89	40.83	41.60	-	-
			Mid	38.11	38.14	38.63	-	43.71	40.65
			High	40.35	40.50	40.94	42.10	-	-
	6485	107	Low	40.50	40.82	40.96	41.72	-	-
			Mid	38.21	38.35	38.73	-	43.65	40.49
			High	40.42	40.99	40.88	42.29	-	-
	6525	115	Low	40.28	41.09	40.66	41.58	-	-
			Mid	37.90	38.30	38.40	-	43.68	40.47
			High	40.77	40.77	40.97	42.06	-	-
UNII 7	6565	123	Low	40.41	40.84	41.17	42.24	-	-
			Mid	38.16	38.22	38.51	-	43.57	40.52
			High	40.21	41.17	40.70	42.05	-	-
	6685	147	Low	40.22	40.82	40.98	41.43	-	-
			Mid	38.13	38.19	38.65	-	43.56	40.55
			High	40.14	40.96	41.21	41.69	-	-
	6845	179	Low	40.44	40.65	40.87	41.70	-	-
			Mid	37.91	38.22	38.58	-	43.62	40.48
			High	40.40	40.96	40.82	42.09	-	-
UNII 8	6885	187	Low	40.25	40.64	40.79	41.54	-	-
			Mid	38.07	38.38	38.68	-	43.45	40.60
			High	40.11	40.40	40.86	42.42	-	-
	7005	211	Low	40.30	40.51	40.96	41.57	-	-
			Mid	38.19	38.35	38.69	-	43.60	40.53
			High	40.30	40.98	41.32	42.29	-	-



HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
	7085	227	Low	40.45	40.69	41.05	41.44	-	-
Mid			38.26	38.27	38.58	-	43.55	40.53	
High			40.81	40.76	40.67	42.02	-	-	

**802.11ax(HE80)**

HE80	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	81.24	83.82	82.67	84.82	84.75	-	-
			Mid	78.32	78.52	78.62	82.46	-	89.78	81.87
			High	82.41	82.20	82.62	84.18	83.95	-	-
	6145	39	Low	82.84	83.24	81.89	83.74	85.99	-	-
			Mid	78.07	78.44	78.64	82.37	-	90.02	82.05
			High	82.16	82.91	81.81	83.96	84.32	-	-
	6385	87	Low	82.40	82.21	82.37	85.61	85.16	-	-
			Mid	78.62	78.51	78.98	82.88	-	87.75	82.07
			High	80.86	81.99	81.82	84.01	84.26	-	-
UNII 6	6465	103	Low	81.99	83.37	82.30	84.42	85.06	-	-
			Mid	78.48	78.64	79.29	82.99	-	89.77	82.32
			High	81.85	82.79	82.86	85.98	84.66	-	-
UNII 7	6545	119	Low	82.24	83.37	83.12	83.26	84.87	-	-
			Mid	78.42	78.47	79.25	82.11	-	89.02	82.22
			High	81.24	83.07	82.07	85.21	84.30	-	-
	6705	151	Low	82.15	84.05	82.91	83.47	84.42	-	-
			Mid	78.35	78.66	79.03	82.67	-	90.36	82.18
			High	81.29	82.92	81.69	85.14	84.44	-	-
	6865	183	Low	81.45	83.07	82.39	83.44	85.47	-	-
			Mid	78.30	78.66	79.36	82.54	-	87.66	82.07
			High	81.28	82.26	82.13	84.74	84.09	-	-
UNII 8	6945	199	Low	81.36	82.59	82.45	84.32	83.85	-	-
			Mid	78.04	78.29	78.85	82.59	-	88.39	82.61
			High	81.25	83.06	82.25	86.37	84.27	-	-
	7025	215	Low	81.93	83.60	82.31	83.58	84.66	-	-
			Mid	77.85	78.57	78.86	82.39	-	87.85	81.66
			High	81.02	82.80	82.24	85.58	84.41	-	-

802.11ax(HE160 80L)

HE80_L	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	162.0	163.7	164.0	164.6	168.7	-
			Mid	157.4	158.5	159.1	161.5	-	171.0
			High	156.4	157.6	159.5	162.1	164.3	-
	6185	47	Low	163.3	164.3	165.3	164.6	167.4	-
			Mid	158.8	157.9	159.3	161.9	-	171.2
			High	157.7	157.8	158.9	162.3	164.0	-
	6345	79	Low	164.5	163.4	164.2	166.8	167.5	-
			Mid	158.4	158.3	159.3	162.5	-	170.6
			High	157.2	158.6	159.2	162.1	163.4	-
UNII 6	6505	111	Low	163.5	164.3	164.6	165.0	166.2	-
			Mid	158.1	158.6	159.0	162.2	-	168.9
			High	154.4	158.3	159.0	162.1	162.7	-
UNII 7	6665	143	Low	162.2	164.4	165.1	164.5	166.6	-
			Mid	157.5	158.7	159.3	162.0	-	170.7
			High	156.9	157.7	159.3	161.7	163.6	-
	6825	175	Low	164.6	163.4	165.4	164.6	165.7	-
			Mid	157.7	158.1	159.0	161.9	-	168.8
			High	157.6	158.0	159.4	162.0	162.5	-
UNII 8	6985	207	Low	162.5	164.4	164.3	165.2	166.5	-
			Mid	158.0	158.4	159.0	161.9	-	170.4
			High	157.9	157.1	159.5	162.0	162.9	-

802.11ax(HE160 80U)

HE80_U	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	157.5	158.1	159.0	162.4	164.1	-
			Mid	156.9	157.9	159.6	161.5	-	166.7
			High	163.4	164.1	162.2	165.4	167.1	-
	6185	47	Low	153.4	158.8	159.7	161.9	164.3	-
			Mid	158.0	158.6	159.7	161.5	-	167.1
			High	163.6	163.7	163.5	165.5	166.9	-
	6345	79	Low	157.7	159.0	159.2	162.4	164.0	-
			Mid	157.8	158.5	159.1	161.8	-	166.3
			High	163.7	163.3	163.2	165.8	167.5	-
UNII 6	6505	111	Low	157.5	158.1	159.2	162.6	163.5	-
			Mid	158.6	158.5	159.2	161.8	-	166.0
			High	163.6	163.4	163.5	165.7	167.6	-
UNII 7	6665	143	Low	157.7	158.4	159.5	161.6	163.8	-
			Mid	157.2	158.4	159.4	162.3	-	166.3
			High	162.2	164.7	163.6	165.6	168.4	-
	6825	175	Low	158.0	156.7	159.4	161.2	163.3	-
			Mid	158.3	158.4	159.1	162.2	-	166.5
			High	163.1	164.2	164.4	165.9	168.1	-
UNII 8	6985	207	Low	157.3	158.9	159.0	162.2	163.2	-
			Mid	158.3	158.4	159.1	162.9	-	167.6
			High	164.3	164.5	163.9	166.5	167.3	-

**802.11ax(HE160 SU)**

HE160_SU	Frequency [MHz]	Channel No.	26 dB BW (MHz)
			SU
UNII 5	6025	15	165.3
	6185	47	164.5
	6345	79	163.8
UNII 6	6505	111	164.8
UNII 7	6665	143	164.7
	6825	175	164.3
UNII 8	6985	207	164.6

**10.2.2 99% BANDWIDTH**

**10.2.2.1 SISO Ant1**

**802.11ax(HE20)**

HE20	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	18.48	17.93	18.26	-	-
			Mid	17.19	17.20	-	19.15	18.94
			High	18.44	18.31	18.21	-	-
	6175	45	Low	18.59	18.33	18.26	-	-
			Mid	17.22	17.17	-	19.15	18.91
			High	18.47	18.15	18.30	-	-
	6415	93	Low	18.56	18.35	18.32	-	-
			Mid	17.17	16.90	-	19.14	18.90
			High	18.46	18.24	18.31	-	-
UNII 6	6435	97	Low	18.59	18.20	18.30	-	-
			Mid	17.24	16.97	-	19.13	18.92
			High	18.28	18.09	18.31	-	-
	6475	105	Low	18.55	18.31	18.26	-	-
			0	17.19	17.16	-	19.14	18.91
			High	18.55	18.05	18.32	-	-
	6515	113	Low	18.44	18.35	18.00	-	-
			Mid	17.15	17.30	-	19.14	18.91
			High	18.54	18.24	18.30	-	-
UNII 7	6535	117	Low	18.55	18.27	18.32	-	-
			Mid	16.96	17.15	-	19.11	18.93
			High	18.59	18.10	18.35	-	-
	6695	149	Low	18.54	18.36	18.29	-	-
			Mid	17.28	17.24	-	19.13	18.94
			High	18.36	18.20	18.29	-	-
	6875	185	Low	18.46	18.32	18.27	-	-
			Mid	16.84	17.27	-	19.15	18.94
			High	18.54	17.78	18.22	-	-
UNII 8	6895	189	Low	18.49	18.40	18.30	-	-
			Mid	17.23	16.94	-	19.17	18.93

HE20	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)				
				26 T	52 T	106 T	242 T	SU
	6995	209	High	18.32	18.23	18.36	-	-
			Low	18.44	18.34	18.33	-	-
			Mid	17.20	16.78	-	18.94	18.94
	7115	233	High	18.51	18.27	18.28	-	-
			Low	18.45	18.31	18.34	-	-
			Mid	17.34	17.18	-	18.93	18.93
			High	18.31	18.21	18.24	-	-

**802.11ax(HE40)**

HE40	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	38.21	37.44	37.55	37.48	-	-
			Mid	36.00	36.31	36.44	-	38.06	37.74
			High	38.36	37.82	37.36	37.63	-	-
	6165	43	Low	38.15	37.74	37.57	37.49	-	-
			Mid	36.19	35.55	36.53	-	38.05	37.73
			High	37.99	37.87	37.52	37.61	-	-
	6405	91	Low	38.15	37.81	37.51	37.46	-	-
			Mid	36.37	36.58	36.39	-	38.06	37.77
			High	38.14	37.71	37.47	37.60	-	-
UNII 6	6445	99	Low	38.07	37.68	37.60	37.48	-	-
			Mid	36.03	36.37	36.57	-	38.04	37.73
			High	38.19	37.76	37.43	37.60	-	-
	6485	107	Low	38.11	37.81	37.46	37.46	-	-
			Mid	36.26	36.30	36.59	-	38.04	37.70
			High	37.69	37.82	37.35	37.59	-	-
	6525	115	Low	38.04	37.67	37.47	37.49	-	-
			Mid	36.27	36.22	36.28	-	38.05	37.73
			High	37.88	37.73	37.46	37.60	-	-
UNII 7	6565	123	Low	37.51	37.41	37.47	37.52	-	-
			Mid	35.93	36.37	36.40	-	38.04	37.68
			High	38.16	37.73	37.69	37.60	-	-
	6685	147	Low	38.14	37.53	37.47	37.40	-	-
			Mid	36.20	35.64	36.45	-	38.03	37.75
			High	38.15	37.74	37.53	37.71	-	-
	6845	179	Low	38.12	37.71	37.48	37.45	-	-
			Mid	36.11	35.94	36.36	-	38.07	37.71
			High	38.23	37.57	37.36	37.64	-	-
UNII 8	6885	187	Low	37.88	37.56	37.49	37.47	-	-
			Mid	35.87	36.30	36.13	-	38.01	37.73
			High	38.02	37.52	37.62	37.63	-	-
	7005	211	Low	38.25	37.85	37.47	37.50	-	-
			Mid	36.38	35.86	36.33	-	38.04	37.71
			High	38.12	37.78	37.58	37.60	-	-



HE40	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
	7085	227	Low	38.17	37.66	37.46	37.44	-	-
Mid			35.62	36.35	36.53	-	38.06	37.74	
High			38.19	37.85	37.44	37.63	-	-	

**802.11ax(HE80)**

HE80	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	78.00	76.31	77.70	77.20	77.10	-	-
			Mid	75.43	74.78	75.56	75.89	-	77.90	77.28
			High	78.31	78.10	76.90	77.30	77.03	-	-
	6145	39	Low	78.36	78.24	77.60	77.38	77.13	-	-
			Mid	74.75	74.93	75.33	75.78	-	77.75	77.08
			High	78.75	77.30	77.28	77.24	76.96	-	-
	6385	87	Low	78.56	78.46	77.40	77.10	77.05	-	-
			Mid	74.99	74.80	75.47	75.84	-	77.95	77.22
			High	78.27	78.14	77.29	77.12	76.95	-	-
UNII 6	6465	103	Low	78.63	77.99	77.73	77.23	77.14	-	-
			Mid	75.37	75.07	75.71	75.67	-	77.84	77.19
			High	78.96	77.86	77.13	77.01	77.02	-	-
UNII 7	6545	119	Low	78.37	78.20	77.80	77.15	77.10	-	-
			Mid	75.27	75.17	75.10	75.72	-	78.14	77.12
			High	79.07	77.99	77.38	77.33	77.06	-	-
	6705	151	Low	78.58	78.15	77.73	77.16	76.99	-	-
			Mid	74.98	74.71	75.23	75.80	-	77.72	77.23
			High	78.47	78.16	77.41	77.24	77.11	-	-
	6865	183	Low	79.02	77.93	77.77	77.19	77.01	-	-
			Mid	75.10	75.09	75.46	75.79	-	77.81	77.11
			High	78.64	78.01	77.45	77.32	77.06	-	-
UNII 8	6945	199	Low	77.87	78.00	77.70	76.99	76.96	-	-
			Mid	74.85	74.49	75.55	75.78	-	77.89	77.11
			High	78.98	78.00	77.49	77.34	77.12	-	-
	7025	215	Low	77.38	78.30	77.81	77.19	77.04	-	-
			Mid	74.86	74.99	75.08	75.82	-	77.77	77.24
			High	79.03	77.90	77.29	77.37	77.01	-	-

**802.11ax(HE160 80L)**

HE80_L	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	157.6	156.6	157.0	156.5	156.4	-
			Mid	153.0	148.2	153.3	153.8	-	157.1
			High	153.1	153.1	153.4	154.3	154.2	-
	6185	47	Low	159.1	158.0	156.8	156.5	156.7	-
			Mid	153.2	152.3	153.2	154.0	-	156.6
			High	153.5	153.5	152.2	153.7	154.4	-
	6345	79	Low	158.7	158.3	157.4	156.6	156.6	-
			Mid	152.3	152.4	152.9	154.0	-	156.7
			High	142.8	153.3	152.6	153.9	154.1	-
UNII 6	6505	111	Low	158.6	157.7	157.3	156.5	156.2	-
			Mid	153.2	152.9	152.5	153.8	-	156.6
			High	153.1	151.6	153.1	154.1	154.0	-
UNII 7	6665	143	Low	157.6	158.0	156.7	156.4	156.2	-
			Mid	152.5	152.5	152.8	153.9	-	156.5
			High	152.5	144.4	152.8	153.8	154.3	-
	6825	175	Low	158.2	157.8	156.7	156.0	155.8	-
			Mid	153.7	153.3	153.0	153.3	-	156.1
			High	152.2	152.7	153.3	153.9	153.9	-
UNII 8	6985	207	Low	157.6	157.3	156.3	155.5	155.9	-
			Mid	153.0	152.3	152.7	153.1	-	156.0
			High	153.1	153.3	153.6	153.8	153.6	-

**802.11ax(HE160 80U)**

HE80_U	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	153.7	153.3	153.2	153.9	154.5	-
			Mid	154.1	152.9	153.5	154.0	-	156.6
			High	159.1	156.8	156.9	157.0	157.0	-
	6185	47	Low	154.2	153.1	153.2	154.2	154.4	-
			Mid	153.2	152.0	153.2	153.7	-	156.4
			High	160.2	158.1	156.8	156.5	156.4	-
	6345	79	Low	153.6	152.1	153.8	153.8	154.3	-
			Mid	140.5	151.2	153.7	153.7	-	156.4
			High	159.2	157.1	156.9	156.4	156.7	-
UNII 6	6505	111	Low	149.8	153.0	153.6	154.1	154.5	-
			Mid	153.1	152.6	153.9	154.1	-	156.6
			High	154.5	158.0	157.3	156.8	156.9	-
UNII 7	6665	143	Low	153.8	153.8	153.5	153.6	154.3	-
			Mid	153.5	152.8	153.7	153.8	-	156.6
			High	158.8	158.3	157.2	156.7	156.7	-
	6825	175	Low	153.6	152.6	153.4	153.3	154.1	-
			Mid	153.1	153.4	153.6	153.7	-	156.4
			High	159.3	158.1	157.9	157.2	157.0	-
UNII 8	6985	207	Low	149.0	152.2	153.5	154.1	154.3	-
			Mid	153.6	153.2	153.4	154.2	-	156.7
			High	159.7	157.9	157.8	157.7	156.8	-

**802.11ax(HE160 SU)**

HE160_SU	Frequency [MHz]	Channel No.	OBW (MHz)
			SU
UNII 5	6025	15	156.3
	6185	47	156.0
	6345	79	156.0
UNII 6	6505	111	156.1
UNII 7	6665	143	155.9
	6825	175	156.1
UNII 8	6985	207	156.2

**802.11 a**

802.11a	Frequency [MHz]	Channel No.	OBW (MHz)
UNII 5	5955	1	16.35
	6175	45	16.36
	6415	93	16.36
UNII 6	6435	97	16.36
	6475	105	16.35
	6515	113	16.37
UNII 7	6535	117	16.35
	6695	149	16.36
	6875	185	16.37
UNII 8	6895	189	16.37
	6995	209	16.37
	7115	233	16.36

10.2.2.2 SISO Ant2

**802.11ax(HE20)**

HE20	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	18.47	18.35	18.36	-	-
			Mid	16.69	17.13	-	19.14	18.91
			High	18.45	18.20	18.28	-	-
	6175	45	Low	18.49	18.33	18.30	-	-
			Mid	17.31	17.25	-	19.16	18.95
			High	18.56	18.01	18.31	-	-
	6415	93	Low	18.28	18.27	18.31	-	-
			Mid	17.24	17.29	-	19.14	18.92
			High	18.57	18.15	18.32	-	-
UNII 6	6435	97	Low	18.53	18.03	18.35	-	-
			Mid	17.28	17.24	-	19.16	18.92
			High	18.46	18.24	18.33	-	-
	6475	105	Low	18.46	17.98	18.30	-	-
			Mid	17.29	17.21	-	19.16	18.92
			High	18.50	18.20	18.31	-	-
	6515	113	Low	18.51	18.36	18.35	-	-
			Mid	17.31	17.11	-	19.15	18.91
			High	18.52	18.29	18.34	-	-
UNII 7	6535	117	Low	18.55	18.35	18.30	-	-
			Mid	17.29	16.67	-	19.18	18.93
			High	18.50	17.80	18.33	-	-
	6695	149	Low	18.35	18.03	18.35	-	-
			Mid	17.14	17.29	-	19.15	18.94
			High	18.46	18.27	18.32	-	-
	6875	185	Low	18.18	18.02	18.26	-	-
			Mid	17.30	17.24	-	19.16	18.93
			High	18.51	18.26	18.33	-	-
UNII 8	6895	189	Low	18.55	18.33	18.30	-	-
			Mid	17.23	17.05	-	19.15	18.95
			High	18.56	18.27	18.33	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)				
				26 T	52 T	106 T	242 T	SU
	6995	209	Low	18.52	18.28	18.26	-	-
			Mid	16.87	17.25	-	18.93	18.93
			High	18.62	18.24	18.30	-	-
	7115	233	Low	18.51	18.31	18.35	-	-
			Mid	17.18	17.24	-	18.95	18.91
			High	18.62	18.16	18.35	-	-

**802.11ax(HE40)**

HE40	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	38.08	37.71	37.40	37.49	-	-
			Mid	36.21	36.46	36.54	-	38.05	37.74
			High	38.14	37.88	37.55	37.62	-	-
	6165	43	Low	38.26	37.50	37.50	37.53	-	-
			Mid	36.35	36.34	36.38	-	38.03	37.70
			High	38.30	37.58	37.62	37.53	-	-
	6405	91	Low	38.00	37.84	37.59	37.52	-	-
			Mid	36.32	36.25	36.48	-	38.06	37.71
			High	38.15	37.97	37.56	37.58	-	-
UNII 6	6445	99	Low	38.26	37.79	37.47	37.47	-	-
			Mid	36.33	35.84	36.37	-	38.06	37.71
			High	38.11	37.80	37.40	37.62	-	-
	6485	107	Low	38.12	37.95	37.58	37.48	-	-
			Mid	36.23	36.12	36.59	-	38.07	37.75
			High	38.09	37.71	37.51	37.61	-	-
	6525	115	Low	38.01	37.49	37.54	37.48	-	-
			Mid	36.34	36.24	36.37	-	38.06	37.75
			High	38.20	37.79	37.60	37.55	-	-
UNII 7	6565	123	Low	38.09	37.70	37.45	37.42	-	-
			Mid	36.16	36.23	36.51	-	38.06	37.73
			High	38.03	37.79	37.40	37.55	-	-
	6685	147	Low	38.16	37.75	37.52	37.49	-	-
			Mid	36.19	36.19	36.35	-	38.05	37.70
			High	37.96	37.76	37.61	37.56	-	-
	6845	179	Low	37.98	37.85	37.45	37.47	-	-
			Mid	35.75	36.20	36.52	-	38.06	37.75
			High	38.09	37.98	37.55	37.63	-	-
UNII 8	6885	187	Low	37.82	37.64	37.43	37.37	-	-
			Mid	36.06	36.37	36.43	-	38.04	37.70
			High	38.13	37.47	37.59	37.66	-	-
	7005	211	Low	38.13	37.69	37.55	37.41	-	-
			Mid	36.52	36.11	36.44	-	38.07	37.71
			High	38.06	37.94	37.61	37.60	-	-



HE40	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
	7085	227	Low	38.12	37.76	37.46	37.43	-	-
Mid			36.33	36.11	36.43	-	38.05	37.72	
High			38.24	37.89	37.43	37.62	-	-	

**802.11ax(HE80)**

HE80	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	78.70	78.38	77.75	77.44	77.19	-	-
			Mid	74.79	74.70	75.20	75.79	-	77.80	77.24
			High	79.04	77.97	77.36	77.08	76.98	-	-
	6145	39	Low	79.36	78.38	77.78	77.17	77.23	-	-
			Mid	74.86	74.83	74.96	75.81	-	77.88	77.26
			High	78.63	77.76	77.21	76.93	76.93	-	-
	6385	87	Low	78.85	77.99	77.83	77.55	77.07	-	-
			Mid	75.23	75.15	75.46	75.90	-	77.71	77.02
			High	78.35	77.71	77.35	77.05	76.89	-	-
UNII 6	6465	103	Low	78.93	78.17	77.82	77.19	77.09	-	-
			Mid	75.25	75.10	75.63	75.85	-	77.94	77.19
			High	78.56	78.14	77.35	77.21	76.95	-	-
UNII 7	6545	119	Low	78.89	77.41	77.56	77.23	77.07	-	-
			Mid	75.46	74.78	75.29	75.70	-	77.79	77.25
			High	78.66	78.11	77.61	77.15	76.95	-	-
	6705	151	Low	78.86	78.06	77.85	77.17	77.01	-	-
			Mid	75.07	74.79	75.80	75.70	-	77.97	77.07
			High	78.71	78.43	77.29	77.22	77.09	-	-
	6865	183	Low	78.71	78.08	77.52	77.16	77.18	-	-
			Mid	75.28	74.86	75.66	75.78	-	77.75	77.23
			High	78.44	78.06	77.50	77.33	77.05	-	-
UNII 8	6945	199	Low	78.27	78.02	77.69	77.25	76.98	-	-
			Mid	75.12	74.89	75.63	75.81	-	77.95	77.12
			High	78.32	78.26	77.43	77.45	77.01	-	-
	7025	215	Low	78.54	78.36	77.65	77.14	77.03	-	-
			Mid	74.74	74.92	75.48	75.80	-	77.77	77.16
			High	78.36	78.14	77.42	77.24	77.06	-	-

**802.11ax(HE160 80L)**

HE80_L	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	157.8	158.1	157.4	156.4	157.2	-
			Mid	152.1	152.8	153.0	153.8	-	157.0
			High	151.7	152.5	154.0	153.7	154.5	-
	6185	47	Low	158.7	157.9	158.2	156.9	156.9	-
			Mid	153.8	152.3	153.3	154.2	-	156.7
			High	153.0	151.8	153.1	154.2	154.5	-
	6345	79	Low	159.2	157.8	157.0	157.0	156.9	-
			Mid	153.5	152.7	153.6	154.1	-	156.6
			High	153.0	152.7	153.4	154.1	154.2	-
UNII 6	6505	111	Low	157.6	157.6	157.5	156.5	156.4	-
			Mid	153.1	153.0	153.1	153.9	-	156.4
			High	149.9	152.0	153.5	153.9	153.8	-
UNII 7	6665	143	Low	158.2	157.8	157.1	156.3	155.9	-
			Mid	153.0	152.9	153.4	153.5	-	156.8
			High	152.9	152.4	153.1	153.8	154.2	-
	6825	175	Low	158.7	157.4	157.4	155.8	155.8	-
			Mid	153.3	152.2	152.7	153.4	-	156.1
			High	151.8	152.2	153.3	153.7	154.1	-
UNII 8	6985	207	Low	157.6	157.2	156.0	155.7	155.7	-
			Mid	152.5	152.4	153.0	153.3	-	156.3
			High	153.0	151.7	152.9	153.5	154.1	-

**802.11ax(HE160 80U)**

HE80_U	Frequency [MHz]	Channel No.	RU Index	OBW (MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	153.4	152.9	153.4	154.3	154.6	-
			Mid	151.4	152.6	154.1	154.1	-	156.7
			High	159.3	158.1	156.4	156.5	156.6	-
	6185	47	Low	149.3	153.0	152.7	154.2	154.7	-
			Mid	152.9	153.3	153.3	153.3	-	156.1
			High	159.3	157.6	157.1	156.5	156.6	-
	6345	79	Low	153.4	153.7	153.1	154.1	154.3	-
			Mid	153.1	152.8	152.4	153.6	-	156.4
			High	159.0	157.6	156.2	156.2	156.7	-
UNII 6	6505	111	Low	152.1	152.4	153.6	154.3	154.2	-
			Mid	153.2	152.7	153.0	153.3	-	156.5
			High	159.5	157.8	157.0	156.8	156.9	-
UNII 7	6665	143	Low	153.3	153.0	153.4	154.0	154.5	-
			Mid	153.1	152.7	153.4	154.1	-	156.6
			High	158.3	158.2	157.2	156.9	156.9	-
	6825	175	Low	153.1	151.2	153.7	153.9	154.4	-
			Mid	153.4	152.6	153.2	154.0	-	156.6
			High	159.6	158.4	158.0	157.3	157.1	-
UNII 8	6985	207	Low	152.1	152.7	153.2	153.8	154.2	-
			Mid	153.6	153.3	153.4	154.0	-	156.7
			High	159.7	158.6	157.3	157.0	156.9	-

**802.11ax(HE160 SU)**

HE160_SU	Frequency [MHz]	Channel No.	OBW (MHz)
			SU
UNII 5	6025	15	156.47
	6185	47	156.03
	6345	79	156.13
UNII 6	6505	111	156.35
UNII 7	6665	143	156.21
	6825	175	156.14
UNII 8	6985	207	156.12

### 10.3 OUTPUT POWER MEASUREMENT

#### 10.3.1 E.I.R.P Output Power

(SISO)

•[ANT1]

EIRP Output Power (dBm) = Measured Conducted Power (dBm) + Duty Factor (dB) + Peak Ant. Gain (dBi)

•[ANT2]

EIRP Output Power (dBm) = Measured Conducted Power (dBm) + Duty Factor (dB) + Peak Ant. Gain (dBi)

(MIMO)

•ANT1 Cond. : Measured Conducted Power(dBm) + Duty Factor (dB)

•ANT2 Cond. : Measured Conducted Power(dBm) + Duty Factor (dB)

•[ANT ALL]

EIRP Output Power (dBm) = ANT1 Cond. + ANT2 Cond. + Directional Gain (dBi)

-Note: The MIMO formula on page 7 and the maximum gain of each band in the antenna gain table were applied.

**10.3.1.1 SISO Ant 1**

EIRP Output Power (dBm) = Measured Conducted Power (dBm) + Duty Factor (dB) + Peak Ant. Gain (dBi)

HE20	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-6.56	-4.94	-0.83	-	-
			Mid	-7.00	-5.13	-	2.30	2.82
			High	-6.67	-4.99	-0.87	-	-
	6175	45	Low	-7.84	-5.99	-1.67	-	-
			Mid	-8.27	-6.15	-	1.30	1.75
			High	-7.90	-6.02	-1.74	-	-
	6415	93	Low	-8.32	-6.33	-2.41	-	-
			Mid	-8.66	-6.51	-	0.80	1.32
			High	-8.27	-6.32	-2.41	-	-
UNII 6	6435	97	Low	-8.59	-6.71	-2.83	-	-
			Mid	-9.04	-6.90	-	0.31	0.84
			High	-8.65	-6.73	-2.87	-	-
	6475	105	Low	-8.94	-6.92	-2.94	-	-
			Mid	-9.26	-7.12	-	0.27	0.75
			High	-8.81	-6.87	-2.96	-	-
	6515	113	Low	-8.92	-6.97	-3.10	-	-
			Mid	-9.34	-7.17	-	0.12	0.58
			High	-9.04	-7.01	-3.15	-	-
UNII 7	6535	117	Low	-11.64	-9.71	-5.87	-	-
			Mid	-12.13	-9.95	-	-2.63	-2.20
			High	-11.72	-9.79	-5.90	-	-
	6695	149	Low	-10.98	-8.97	-5.10	-	-
			Mid	-11.47	-9.14	-	-1.82	-1.39
			High	-11.01	-8.99	-5.14	-	-
	6875	185	Low	-11.67	-9.82	-6.06	-	-
			Mid	-12.13	-10.02	-	-2.84	-2.39
			High	-11.75	-9.86	-6.15	-	-
UNII 8	6895	189	Low	-12.64	-10.58	-6.26	-	-
			Mid	-13.04	-10.79	-	-3.06	-2.60
			High	-12.71	-10.65	-6.36	-	-
	6995	209	Low	-13.21	-11.22	-7.02	-	-
			Mid	-13.64	-11.42	-	-3.96	-3.56
			High	-13.39	-11.30	-7.23	-	-
	7115	233	Low	-12.80	-10.72	-6.66	-	-
			Mid	-13.25	-10.91	-	-3.52	-3.10
			High	-12.90	-10.83	-6.76	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-6.58	-4.62	-0.58	2.61	-	-
			Mid	-6.85	-4.87	-0.75	-	3.69	3.42
			High	-6.70	-4.65	-0.58	2.55	-	-
	6165	43	Low	-7.01	-4.99	-0.88	2.26	-	-
			Mid	-7.21	-5.20	-1.02	-	3.40	3.12
			High	-7.18	-5.11	-0.99	2.20	-	-
	6405	91	Low	-7.58	-5.53	-1.69	1.49	-	-
			Mid	-7.83	-5.72	-1.79	-	2.58	2.43
			High	-7.67	-5.57	-1.76	1.44	-	-
UNII 6	6445	99	Low	-8.59	-6.52	-2.75	0.42	-	-
			Mid	-8.97	-6.70	-2.86	-	1.48	1.25
			High	-8.77	-6.66	-2.81	0.32	-	-
	6485	107	Low	-8.76	-6.79	-2.79	0.30	-	-
			Mid	-9.07	-6.89	-2.89	-	1.44	1.18
			High	-8.89	-6.81	-2.84	0.31	-	-
	6525	115	Low	-8.91	-6.86	-2.89	0.15	-	-
			Mid	-9.16	-7.13	-3.09	-	1.25	0.97
			High	-9.14	-7.08	-3.04	0.02	-	-
UNII 7	6565	123	Low	-11.66	-9.74	-5.78	-2.70	-	-
			Mid	-11.97	-9.96	-5.95	-	-1.59	-1.89
			High	-11.81	-9.91	-5.86	-2.79	-	-
	6685	147	Low	-11.14	-9.21	-5.31	-2.21	-	-
			Mid	-11.45	-9.48	-5.52	-	-1.14	-1.46
			High	-11.35	-9.39	-5.53	-2.38	-	-
	6845	179	Low	-11.50	-9.54	-5.50	-2.37	-	-
			Mid	-11.74	-9.80	-5.74	-	-1.37	-1.65
			High	-11.64	-9.72	-5.82	-2.58	-	-
UNII 8	6885	187	Low	-13.36	-11.39	-7.27	-4.34	-	-
			Mid	-13.56	-11.66	-7.65	-	-3.22	-3.55
			High	-13.52	-11.55	-7.70	-4.57	-	-
	7005	211	Low	-12.96	-11.02	-6.76	-3.85	-	-
			Mid	-13.34	-11.38	-7.05	-	-3.37	-4.04
			High	-13.28	-11.27	-7.12	-4.13	-	-
	7085	227	Low	-11.87	-9.92	-5.64	-2.83	-	-
			Mid	-12.29	-10.33	-5.93	-	-2.18	-2.81
			High	-12.35	-10.39	-6.19	-3.13	-	-



HE80	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	-6.39	-4.41	-0.45	2.76	3.67	-	-
			Mid	-6.85	-4.66	-0.59	2.61	-	3.66	3.20
			High	-6.61	-4.54	-0.44	2.67	3.68	-	-
	6145	39	Low	-6.74	-4.71	-0.72	2.43	3.49	-	-
			Mid	-6.71	-4.76	-0.65	2.42	-	3.50	3.02
			High	-6.77	-4.73	-0.69	2.53	3.55	-	-
	6385	87	Low	-7.36	-5.45	-1.64	1.59	2.70	-	-
			Mid	-7.53	-5.66	-1.81	1.46	-	2.65	2.19
			High	-7.44	-5.57	-1.72	1.62	2.66	-	-
UNII 6	6465	103	Low	-8.47	-6.55	-2.69	0.45	1.39	-	-
			Mid	-8.73	-6.81	-3.08	0.35	-	1.35	0.88
			High	-8.61	-6.72	-2.87	0.34	1.31	-	-
UNII 7	6545	119	Low	-10.86	-8.98	-5.00	-1.81	-0.88	-	-
			Mid	-11.27	-9.24	-5.34	-2.03	-	-0.94	-1.49
			High	-11.14	-9.25	-5.37	-2.04	-1.08	-	-
	6705	151	Low	-10.87	-9.06	-5.14	-2.14	-1.07	-	-
			Mid	-11.22	-9.35	-5.62	-2.12	-	-1.14	-1.71
			High	-11.16	-9.33	-5.75	-2.42	-1.36	-	-
	6865	183	Low	-11.34	-9.58	-5.20	-2.14	-1.18	-	-
			Mid	-11.73	-9.84	-5.83	-2.42	-	-1.33	-1.86
			High	-11.71	-9.74	-6.08	-2.87	-1.65	-	-
UNII 8	6945	199	Low	-12.59	-10.49	-6.27	-3.09	-2.10	-	-
			Mid	-12.86	-10.92	-6.92	-3.40	-	-2.34	-2.99
			High	-12.98	-10.87	-7.03	-3.75	-2.58	-	-
	7025	215	Low	-10.84	-8.91	-4.63	-2.35	-1.50	-	-
			Mid	-11.36	-9.25	-5.13	-2.55	-	-1.72	-2.33
			High	-11.45	-9.50	-5.27	-2.85	-1.95	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-6.81	-4.83	-0.86	2.31	3.21	-
			Mid	-7.35	-5.30	-1.37	1.93	-	2.94
			High	-7.61	-5.71	-1.61	1.65	2.65	-
	6185	47	Low	-7.79	-5.65	-1.84	1.25	2.28	-
			Mid	-7.97	-5.87	-1.97	1.17	-	2.13
			High	-8.21	-6.23	-2.15	0.83	2.01	-
	6345	79	Low	-7.29	-5.47	-1.61	1.59	2.55	-
			Mid	-7.66	-5.58	-1.76	1.54	-	2.49
			High	-7.73	-5.73	-1.82	1.47	2.41	-
UNII 6	6505	111	Low	-8.44	-6.35	-2.65	0.59	1.38	-
			Mid	-8.83	-6.84	-3.08	0.33	-	1.27
			High	-9.17	-7.02	-3.28	0.10	1.10	-
UNII 7	6665	143	Low	-11.76	-10.23	-5.93	-2.79	-1.88	-
			Mid	-12.29	-10.53	-6.45	-2.92	-	-1.99
			High	-12.36	-10.47	-6.50	-3.23	-2.07	-
	6825	175	Low	-11.15	-9.49	-4.96	-1.74	-0.94	-
			Mid	-11.32	-9.63	-5.46	-1.94	-	-1.13
			High	-11.61	-9.88	-5.92	-2.47	-1.27	-
UNII 8	6985	207	Low	-12.17	-10.38	-5.90	-2.68	-2.71	-
			Mid	-13.03	-10.99	-6.69	-3.15	-	-3.25
			High	-13.25	-11.39	-7.21	-4.12	-3.69	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-7.58	-5.70	-1.76	1.54	2.45	-
			Mid	-7.84	-5.80	-1.75	1.37	-	2.50
			High	-7.99	-5.89	-1.61	1.49	2.37	-
	6185	47	Low	-8.25	-6.31	-2.25	0.93	1.91	-
			Mid	-8.02	-6.22	-1.89	1.03	-	2.16
			High	-7.86	-5.84	-1.78	1.43	2.30	-
	6345	79	Low	-7.69	-5.64	-1.87	1.46	2.45	-
			Mid	-7.68	-5.66	-1.76	1.49	-	2.44
			High	-7.53	-5.69	-1.81	1.58	2.55	-
UNII 6	6505	111	Low	-9.09	-7.15	-3.30	-0.03	0.88	-
			Mid	-9.29	-7.38	-3.48	-0.15	-	0.86
			High	-9.33	-7.23	-3.47	-0.16	0.82	-
UNII 7	6665	143	Low	-12.38	-10.45	-6.51	-3.19	-2.34	-
			Mid	-12.66	-10.51	-6.62	-3.37	-	-2.32
			High	-12.50	-10.43	-6.59	-3.42	-2.36	-
	6825	175	Low	-11.72	-9.82	-5.78	-2.59	-1.69	-
			Mid	-11.78	-9.81	-6.08	-2.79	-	-1.82
			High	-11.55	-9.64	-6.28	-3.07	-1.98	-
UNII 8	6985	207	Low	-13.46	-11.51	-7.46	-4.35	-3.69	-
			Mid	-13.70	-11.77	-7.92	-4.60	-	-4.43
			High	-13.59	-11.99	-8.06	-4.81	-3.83	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>Max. E.I.R.P Power (dBm)</b>
UNII 5	6025	15	2.92
	6185	47	2.71
	6345	79	2.76
UNII 6	6505	111	1.33
UNII 7	6665	143	-1.66
	6825	175	-1.08
UNII 8	6985	207	-3.00

<b>802.11a</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>Max. E.I.R.P Power (dBm)</b>
UNII 5	5955	1	3.14
	6175	45	2.29
	6415	93	1.81
UNII 6	6435	97	1.31
	6475	105	1.12
	6515	113	1.09
UNII 7	6535	117	-1.73
	6695	149	-0.88
	6875	185	-1.89
UNII 8	6895	189	-2.20
	6995	209	-2.97
	7115	233	-2.56

**10.3.1.2 SISO Ant 2**

EIRP Output Power (dBm) = Measured Conducted Power (dBm) + Duty Factor (dB) + Peak Ant. Gain (dBi)

HE20	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-5.82	-3.91	0.18	-	-
			Mid	-6.15	-4.09	-	3.38	3.84
			High	-5.78	-3.92	0.20	-	-
	6175	45	Low	-5.51	-3.84	0.41	-	-
			Mid	-5.93	-4.04	-	3.57	4.11
			High	-5.55	-3.85	0.41	-	-
	6415	93	Low	-7.68	-5.95	-2.07	-	-
			Mid	-8.04	-6.12	-	1.44	1.96
			High	-7.68	-5.85	-2.04	-	-
UNII 6	6435	97	Low	-6.03	-4.38	-0.53	-	-
			Mid	-6.44	-4.60	-	2.94	3.45
			High	-6.12	-4.36	-0.51	-	-
	6475	105	Low	-5.08	-3.33	0.89	-	-
			Mid	-5.44	-3.37	-	4.10	4.53
			High	-5.03	-3.10	0.93	-	-
	6515	113	Low	-5.14	-3.16	0.86	-	-
			Mid	-5.50	-3.38	-	4.00	4.44
			High	-5.18	-3.22	0.78	-	-
UNII 7	6535	117	Low	-5.64	-3.64	0.17	-	-
			Mid	-6.01	-3.86	-	3.34	3.77
			High	-5.65	-3.68	0.15	-	-
	6695	149	Low	-6.25	-4.29	-0.18	-	-
			Mid	-6.64	-4.49	-	3.00	3.42
			High	-6.17	-4.29	-0.28	-	-
	6875	185	Low	-6.86	-5.04	-1.60	-	-
			Mid	-7.35	-5.26	-	1.56	2.01
			High	-7.02	-5.13	-1.69	-	-
UNII 8	6895	189	Low	-6.97	-4.96	-0.96	-	-
			Mid	-7.41	-5.18	-	2.05	2.52
			High	-7.08	-5.02	-1.08	-	-
	6995	209	Low	-7.12	-4.95	-1.07	-	-
			Mid	-7.57	-5.14	-	2.24	2.65
			High	-7.26	-5.11	-1.24	-	-
	7115	233	Low	-8.76	-6.53	-2.61	-	-
			Mid	-9.24	-6.79	-	0.66	1.04
			High	-8.94	-6.69	-2.71	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-5.57	-3.51	0.67	3.68	-	-
			Mid	-5.81	-3.66	0.54	-	4.89	4.64
			High	-5.55	-3.42	0.68	3.67	-	-
	6165	43	Low	-5.53	-3.40	0.67	3.80	-	-
			Mid	-5.62	-3.53	0.58	-	4.97	4.69
			High	-5.46	-3.36	0.73	3.78	-	-
	6405	91	Low	-5.45	-3.55	0.68	3.75	-	-
			Mid	-5.60	-3.58	0.54	-	4.92	4.70
			High	-5.36	-3.30	0.72	3.74	-	-
UNII 6	6445	99	Low	-6.13	-4.12	-0.39	2.95	-	-
			Mid	-6.35	-4.27	-0.48	-	4.09	3.86
			High	-6.17	-4.12	-0.41	2.93	-	-
	6485	107	Low	-5.11	-3.00	1.09	4.09	-	-
			Mid	-5.31	-3.07	0.99	-	5.25	5.02
			High	-5.06	-2.91	1.10	4.11	-	-
	6525	115	Low	-5.10	-2.89	1.09	4.05	-	-
			Mid	-5.33	-3.16	0.88	-	5.14	4.88
			High	-5.17	-3.12	0.94	3.94	-	-
UNII 7	6565	123	Low	-5.62	-3.51	0.31	3.24	-	-
			Mid	-5.90	-3.75	0.12	-	4.38	4.09
			High	-5.72	-3.58	0.16	3.22	-	-
	6685	147	Low	-5.65	-3.68	0.17	3.05	-	-
			Mid	-5.95	-3.98	-0.06	-	4.16	3.88
			High	-5.82	-3.81	-0.15	2.86	-	-
	6845	179	Low	-6.55	-4.70	-0.94	1.99	-	-
			Mid	-6.85	-4.96	-1.17	-	3.04	2.81
			High	-6.73	-4.92	-1.30	1.74	-	-
UNII 8	6885	187	Low	-7.28	-5.37	-1.51	1.27	-	-
			Mid	-7.70	-5.66	-1.73	-	2.31	2.11
			High	-7.59	-5.60	-1.89	1.08	-	-
	7005	211	Low	-6.82	-4.73	-0.76	2.29	-	-
			Mid	-7.24	-5.21	-1.01	-	2.14	1.52
			High	-7.20	-5.14	-1.02	2.10	-	-
	7085	227	Low	-7.57	-5.62	-1.62	1.28	-	-
			Mid	-8.09	-6.15	-1.91	-	1.26	0.61
			High	-8.29	-6.21	-2.08	1.06	-	-

HE80	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	-5.40	-3.42	0.73	3.77	4.93	-	-
			Mid	-5.56	-3.52	0.63	3.77	-	4.94	4.47
			High	-5.26	-3.29	0.83	4.00	5.04	-	-
	6145	39	Low	-5.36	-3.40	0.65	3.90	4.91	-	-
			Mid	-5.32	-3.26	0.86	3.89	-	5.03	4.57
			High	-5.02	-3.08	1.05	4.09	5.11	-	-
	6385	87	Low	-5.46	-3.51	0.63	3.71	4.77	-	-
			Mid	-5.55	-3.52	0.60	3.67	-	4.83	4.36
			High	-5.26	-3.28	0.74	3.94	4.94	-	-
UNII 6	6465	103	Low	-6.00	-4.20	-0.40	3.04	4.05	-	-
			Mid	-6.21	-4.26	-0.56	2.91	-	4.02	3.53
			High	-6.12	-4.13	-0.42	3.08	4.02	-	-
UNII 7	6545	119	Low	-5.36	-3.28	0.56	3.79	4.71	-	-
			Mid	-5.47	-3.50	0.42	3.58	-	4.62	4.10
			High	-5.58	-3.52	0.38	3.55	4.54	-	-
	6705	151	Low	-5.44	-3.44	0.19	3.28	4.28	-	-
			Mid	-5.68	-3.69	-0.26	3.07	-	4.10	3.60
			High	-5.73	-3.74	-0.51	2.82	3.89	-	-
	6865	183	Low	-5.99	-4.10	-0.19	2.74	3.60	-	-
			Mid	-6.60	-4.58	-0.85	2.41	-	3.40	2.92
			High	-6.66	-4.67	-1.03	2.09	3.18	-	-
UNII 8	6945	199	Low	-6.78	-4.86	-1.00	2.00	1.54	-	-
			Mid	-7.32	-5.45	-1.57	1.69	-	1.31	0.67
			High	-7.51	-5.54	-1.75	1.39	1.06	-	-
	7025	215	Low	-6.11	-4.15	-0.31	1.42	2.36	-	-
			Mid	-6.62	-4.65	-0.75	1.25	-	2.22	1.56
			High	-6.90	-4.90	-0.94	0.95	2.07	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-5.69	-3.53	0.59	3.75	4.56	-
			Mid	-6.08	-3.99	0.05	3.44	-	4.40
			High	-6.30	-4.14	-0.06	3.21	4.32	-
	6185	47	Low	-5.99	-3.95	0.22	3.36	4.26	-
			Mid	-6.07	-3.91	0.04	3.28	-	4.22
			High	-6.16	-4.12	-0.04	3.11	4.25	-
	6345	79	Low	-5.23	-3.27	0.98	4.07	5.04	-
			Mid	-5.45	-3.23	1.01	4.05	-	5.10
			High	-5.14	-3.07	1.02	4.14	5.07	-
UNII 6	6505	111	Low	-4.93	-3.03	1.11	4.29	5.15	-
			Mid	-5.28	-3.31	0.77	4.08	-	5.01
			High	-5.23	-3.42	0.58	3.83	4.92	-
UNII 7	6665	143	Low	-6.41	-4.36	-0.28	2.83	3.76	-
			Mid	-6.74	-4.64	-0.71	2.62	-	3.52
			High	-6.76	-4.77	-0.95	2.26	3.47	-
	6825	175	Low	-6.13	-4.40	-0.25	2.84	3.65	-
			Mid	-6.43	-4.61	-0.92	2.49	-	3.35
			High	-6.79	-4.94	-1.29	1.95	3.07	-
UNII 8	6985	207	Low	-5.72	-3.79	0.01	3.42	2.52	-
			Mid	-6.62	-4.72	-0.73	3.03	-	2.02
			High	-7.33	-5.18	-1.29	2.15	1.62	-



HE160_80U	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-6.34	-4.32	-0.21	3.12	4.12	-
			Mid	-6.09	-4.27	-0.12	3.12	-	4.22
			High	-6.14	-4.19	0.10	3.20	4.18	-
	6185	47	Low	-5.90	-4.16	0.00	3.23	4.29	-
			Mid	-5.58	-3.76	0.38	3.39	-	4.56
			High	-5.22	-3.39	0.62	3.81	4.77	-
	6345	79	Low	-5.13	-3.03	1.06	4.12	5.20	-
			Mid	-4.89	-2.89	1.30	4.23	-	5.38
			High	-4.65	-2.55	1.54	4.52	5.40	-
UNII 6	6505	111	Low	-5.36	-3.46	0.60	3.74	4.79	-
			Mid	-5.33	-3.44	0.53	3.68	-	4.70
			High	-5.38	-3.37	0.45	3.69	4.73	-
UNII 7	6665	143	Low	-6.86	-4.87	-1.13	2.01	3.21	-
			Mid	-6.93	-4.90	-1.14	1.95	-	3.04
			High	-6.90	-4.71	-1.36	1.98	2.91	-
	6825	175	Low	-6.67	-4.93	-1.34	1.72	2.68	-
			Mid	-6.90	-5.22	-1.64	1.56	-	2.60
			High	-7.09	-5.34	-1.89	1.32	2.45	-
UNII 8	6985	207	Low	-7.44	-5.40	-1.49	1.84	1.37	-
			Mid	-7.72	-5.72	-1.91	1.67	-	0.89
			High	-7.69	-6.01	-2.10	1.25	1.23	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>Max. E.I.R.P Power (dBm)</b>
UNII 5	6025	15	4.54
	6185	47	4.71
	6345	79	5.33
UNII 6	6505	111	4.89
UNII 7	6665	143	3.86
	6825	175	3.29
UNII 8	6985	207	1.90

**10.3.1.3 SUM (MIMO EIRP)**

•[ANT ALL] EIRP Output Power (dBm) = ANT1 Cond. + ANT2 Cond. + Directional Gain (dBi)

HE20	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P SUM Power (dBm)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-0.14	1.62	5.72	-	-
			Mid	-0.53	1.43	-	8.88	9.38
			High	-0.18	1.59	5.71	-	-
	6175	45	Low	-0.61	1.15	5.43	-	-
			Mid	-1.03	0.96	-	8.50	9.01
			High	-0.65	1.12	5.39	-	-
	6415	93	Low	-1.94	-0.07	3.83	-	-
			Mid	-2.29	-0.25	-	7.17	7.69
			High	-1.92	-0.02	3.84	-	-
UNII 6	6435	97	Low	-1.20	0.57	4.43	-	-
			Mid	-1.63	0.36	-	7.74	8.26
			High	-1.27	0.57	4.42	-	-
	6475	105	Low	-0.85	1.02	5.14	-	-
			Mid	-1.19	0.91	-	8.34	8.80
			High	-0.76	1.18	5.15	-	-
	6515	113	Low	-0.87	1.09	5.05	-	-
			Mid	-1.26	0.88	-	8.23	8.67
			High	-0.95	1.04	4.98	-	-
UNII 7	6535	117	Low	-2.28	-0.30	3.51	-	-
			Mid	-2.70	-0.53	-	6.72	7.15
			High	-2.32	-0.36	3.49	-	-
	6695	149	Low	-2.34	-0.36	3.64	-	-
			Mid	-2.78	-0.54	-	6.87	7.30
			High	-2.31	-0.37	3.57	-	-
	6875	185	Low	-2.99	-1.15	2.44	-	-
			Mid	-3.46	-1.36	-	5.63	6.08
			High	-3.11	-1.22	2.35	-	-
UNII 8	6895	189	Low	-3.40	-1.37	2.79	-	-
			Mid	-3.82	-1.58	-	5.89	6.36
			High	-3.49	-1.43	2.68	-	-
	6995	209	Low	-3.74	-1.65	2.37	-	-
			Mid	-4.18	-1.84	-	5.57	5.98
			High	-3.90	-1.78	2.18	-	-
	7115	233	Low	-4.34	-2.19	1.80	-	-
			Mid	-4.81	-2.42	-	5.00	5.41
			High	-4.47	-2.32	1.70	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P SUM Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-0.03	1.97	6.08	9.19	-	-
			Mid	-0.29	1.78	5.94	-	10.33	10.07
			High	-0.09	2.00	6.09	9.15	-	-
	6165	43	Low	-0.23	1.85	5.94	9.07	-	-
			Mid	-0.37	1.68	5.82	-	10.22	9.95
			High	-0.28	1.81	5.92	9.03	-	-
	6405	91	Low	-0.46	1.51	5.57	8.68	-	-
			Mid	-0.65	1.41	5.45	-	9.82	9.64
			High	-0.45	1.63	5.56	8.66	-	-
UNII 6	6445	99	Low	-1.25	0.79	4.54	7.80	-	-
			Mid	-1.55	0.63	4.44	-	8.90	8.66
			High	-1.36	0.72	4.50	7.73	-	-
	6485	107	Low	-0.78	1.27	5.32	8.35	-	-
			Mid	-1.04	1.18	5.22	-	9.50	9.26
			High	-0.81	1.30	5.30	8.37	-	-
	6525	115	Low	-0.84	1.29	5.27	8.26	-	-
			Mid	-1.08	1.03	5.07	-	9.36	9.09
			High	-0.98	1.08	5.12	8.15	-	-
UNII 7	6565	123	Low	-2.27	-0.24	3.64	6.63	-	-
			Mid	-2.56	-0.47	3.45	-	7.76	7.46
			High	-2.40	-0.34	3.51	6.57	-	-
	6685	147	Low	-2.07	-0.12	3.74	6.72	-	-
			Mid	-2.38	-0.41	3.53	-	7.81	7.52
			High	-2.26	-0.27	3.47	6.54	-	-
	6845	179	Low	-2.74	-0.84	3.06	6.08	-	-
			Mid	-3.01	-1.10	2.82	-	7.11	6.85
			High	-2.90	-1.04	2.72	5.85	-	-
UNII 8	6885	187	Low	-3.90	-1.96	2.02	4.87	-	-
			Mid	-4.21	-2.24	1.73	-	5.95	5.69
			High	-4.14	-2.16	1.62	4.66	-	-
	7005	211	Low	-3.47	-1.44	2.66	5.64	-	-
			Mid	-3.87	-1.87	2.39	-	5.79	5.15
			High	-3.81	-1.78	2.35	5.41	-	-
	7085	227	Low	-3.30	-1.35	2.81	5.66	-	-
			Mid	-3.76	-1.81	2.52	-	6.03	5.39
			High	-3.88	-1.87	2.30	5.39	-	-

HE80	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P SUM Power (dBm)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	0.15	2.13	6.18	9.31	10.34	-	-
			Mid	-0.17	1.95	6.06	9.23	-	10.34	9.88
			High	0.11	2.12	6.23	9.38	10.40	-	-
	6145	39	Low	-0.01	1.99	6.00	9.20	10.24	-	-
			Mid	0.02	2.03	6.15	9.20	-	10.30	9.84
			High	0.15	2.14	6.23	9.35	10.37	-	-
	6385	87	Low	-0.36	1.57	5.56	8.71	9.79	-	-
			Mid	-0.48	1.47	5.47	8.63	-	9.80	9.33
			High	-0.29	1.64	5.59	8.85	9.87	-	-
UNII 6	6465	103	Low	-1.13	0.73	4.57	7.86	8.83	-	-
			Mid	-1.36	0.58	4.29	7.74	-	8.80	8.32
			High	-1.25	0.69	4.46	7.82	8.78	-	-
UNII 7	6545	119	Low	-1.79	0.20	4.10	7.32	8.24	-	-
			Mid	-2.03	-0.03	3.88	7.10	-	8.16	7.63
			High	-2.04	-0.05	3.84	7.08	8.06	-	-
	6705	151	Low	-1.84	0.08	3.84	6.88	7.92	-	-
			Mid	-2.13	-0.19	3.37	6.77	-	7.78	7.25
			High	-2.13	-0.21	3.17	6.50	7.56	-	-
	6865	183	Low	-2.36	-0.52	3.60	6.58	7.49	-	-
			Mid	-2.87	-0.91	2.95	6.28	-	7.31	6.81
			High	-2.89	-0.91	2.73	5.90	7.04	-	-
UNII 8	6945	199	Low	-3.27	-1.27	2.77	5.85	6.19	-	-
			Mid	-3.69	-1.78	2.16	5.54	-	5.96	5.31
			High	-3.84	-1.80	2.01	5.22	5.71	-	-
	7025	215	Low	-2.07	-0.13	3.96	5.99	6.88	-	-
			Mid	-2.58	-0.54	3.48	5.81	-	6.69	6.06
			High	-2.76	-0.79	3.32	5.51	6.50	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P SUM Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-0.21	1.86	5.91	9.07	9.92	-
			Mid	-0.67	1.39	5.38	8.73	-	9.71
			High	-0.92	1.12	5.20	8.47	9.53	-
	6185	47	Low	-0.84	1.24	5.25	8.37	9.33	-
			Mid	-0.97	1.16	5.09	8.28	-	9.24
			High	-1.13	0.88	4.97	8.04	9.19	-
	6345	79	Low	-0.20	1.69	5.77	8.91	9.88	-
			Mid	-0.49	1.67	5.72	8.88	-	9.89
			High	-0.35	1.69	5.71	8.90	9.83	-
UNII 6	6505	111	Low	-0.55	1.44	5.39	8.59	9.42	-
			Mid	-0.91	1.06	5.00	8.36	-	9.29
			High	-1.03	0.93	4.82	8.12	9.17	-
UNII 7	6665	143	Low	-2.78	-0.95	3.23	6.35	7.27	-
			Mid	-3.19	-1.23	2.76	6.17	-	7.08
			High	-3.23	-1.29	2.60	5.83	7.03	-
	6825	175	Low	-2.35	-0.65	3.67	6.83	7.63	-
			Mid	-2.59	-0.83	3.09	6.55	-	7.39
			High	-2.92	-1.13	2.67	6.01	7.17	-
UNII 8	6985	207	Low	-2.50	-0.62	3.47	6.80	6.30	-
			Mid	-3.39	-1.42	2.71	6.36	-	5.78
			High	-3.87	-1.85	2.16	5.45	5.37	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	Max. E.I.R.P SUM Power (dBm)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-0.92	1.03	5.05	8.37	9.32	-
			Mid	-0.92	1.01	5.11	8.29	-	9.41
			High	-1.02	1.00	5.29	8.39	9.32	-
	6185	47	Low	-1.00	0.83	4.94	8.15	9.18	-
			Mid	-0.72	1.09	5.31	8.29	-	9.43
			High	-0.45	1.47	5.49	8.69	9.62	-
	6345	79	Low	-0.32	1.75	5.71	8.88	9.92	-
			Mid	-0.18	1.83	5.90	8.96	-	10.03
			High	0.02	2.02	6.03	9.17	10.08	-
UNII 6	6505	111	Low	-1.07	0.85	4.82	8.02	9.01	-
			Mid	-1.14	0.76	4.70	7.93	-	8.94
			High	-1.18	0.86	4.66	7.93	8.94	-
UNII 7	6665	143	Low	-3.30	-1.33	2.49	5.71	6.76	-
			Mid	-3.46	-1.38	2.44	5.60	-	6.67
			High	-3.38	-1.23	2.33	5.59	6.58	-
	6825	175	Low	-2.91	-1.09	2.71	5.84	6.77	-
			Mid	-3.06	-1.24	2.41	5.66	-	6.66
			High	-3.05	-1.22	2.18	5.40	6.51	-
UNII 8	6985	207	Low	-4.03	-2.03	1.95	5.17	5.24	-
			Mid	-4.29	-2.32	1.51	4.97	-	4.63
			High	-4.23	-2.58	1.33	4.64	5.10	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>Max. E.I.R.P SUM Power (dBm)</b>
UNII 5	6025	15	9.77
	6185	47	9.77
	6345	79	10.13
UNII 6	6505	111	9.26
UNII 7	6665	143	7.42
	6825	175	7.38
UNII 8	6985	207	5.85



## 10.4 POWER SPECTRAL DENSITY

### 10.4.1 E.I.R.P PSD

· EIRP PSD (dBm /MHz) =Measured Value PSD (dBm/MHz) + Duty Factor (dB) + Peak Ant. Gain (dBi)

#### 10.4.1.1 SISO Ant 1

HE20	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-9.435	-10.236	-9.143	-	-
			Mid	-10.973	-10.474	-	-9.580	-8.767
			High	-9.330	-10.210	-9.295	-	-
	6175	45	Low	-10.186	-10.961	-9.971	-	-
			Mid	-11.563	-11.337	-	-10.325	-9.488
			High	-10.216	-11.177	-9.948	-	-
	6415	93	Low	-10.478	-11.444	-10.768	-	-
			Mid	-11.825	-11.704	-	-10.599	-9.990
			High	-10.500	-11.279	-10.345	-	-
UNII 6	6435	97	Low	-10.844	-11.746	-10.730	-	-
			Mid	-12.213	-11.869	-	-11.284	-10.529
			High	-11.110	-11.679	-11.062	-	-
	6475	105	Low	-11.395	-12.169	-10.873	-	-
			Mid	-12.549	-12.321	-	-11.279	-10.717
			High	-11.325	-12.157	-10.907	-	-
	6515	113	Low	-11.151	-12.072	-11.278	-	-
			Mid	-12.596	-12.451	-	-11.331	-10.807
			High	-11.575	-12.042	-11.412	-	-
UNII 7	6535	117	Low	-13.909	-14.932	-14.081	-	-
			Mid	-15.598	-15.109	-	-14.185	-13.584
			High	-14.092	-14.976	-14.163	-	-
	6695	149	Low	-13.343	-14.176	-13.468	-	-
			Mid	-14.925	-14.340	-	-13.315	-12.739
			High	-13.638	-14.178	-13.305	-	-
	6875	185	Low	-14.177	-15.008	-14.244	-	-
			Mid	-15.351	-15.371	-	-14.480	-13.763
			High	-14.228	-14.979	-14.401	-	-
UNII 8	6895	189	Low	-15.189	-15.924	-14.181	-	-
			Mid	-16.394	-15.976	-	-14.777	-14.022
			High	-15.205	-15.880	-14.594	-	-
	6995	209	Low	-15.593	-16.377	-15.101	-	-
			Mid	-17.031	-16.839	-	-15.637	-14.893
			High	-15.530	-16.547	-15.276	-	-
	7115	233	Low	-15.127	-15.906	-14.679	-	-
			Mid	-16.577	-16.108	-	-15.090	-14.454
			High	-15.225	-15.647	-14.865	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-9.147	-9.836	-8.803	-8.946	-	-
			Mid	-9.646	-10.119	-9.174	-	-10.816	-11.013
			High	-9.411	-10.102	-8.940	-9.093	-	-
	6165	43	Low	-9.564	-9.952	-9.073	-9.636	-	-
			Mid	-9.639	-10.253	-9.278	-	-11.218	-11.063
			High	-9.756	-10.456	-9.229	-9.749	-	-
	6405	91	Low	-10.116	-10.799	-9.743	-10.187	-	-
			Mid	-9.983	-11.165	-9.989	-	-11.972	-11.955
			High	-10.006	-10.967	-9.980	-10.522	-	-
UNII 6	6445	99	Low	-11.213	-11.595	-11.180	-11.272	-	-
			Mid	-11.196	-11.958	-11.109	-	-13.158	-13.066
			High	-11.476	-11.702	-11.160	-11.469	-	-
	6485	107	Low	-11.496	-11.829	-10.804	-11.596	-	-
			Mid	-11.614	-11.868	-11.272	-	-12.979	-13.242
			High	-11.414	-12.153	-11.144	-11.589	-	-
	6525	115	Low	-11.526	-12.202	-11.410	-11.718	-	-
			Mid	-11.722	-12.435	-11.406	-	-13.192	-13.444
			High	-11.719	-12.380	-11.301	-11.645	-	-
UNII 7	6565	123	Low	-14.329	-14.832	-14.330	-14.455	-	-
			Mid	-14.370	-15.344	-14.339	-	-16.461	-16.193
			High	-14.642	-15.094	-14.141	-14.675	-	-
	6685	147	Low	-13.558	-14.352	-13.551	-13.816	-	-
			Mid	-14.090	-14.800	-13.842	-	-15.844	-15.852
			High	-14.091	-14.433	-14.036	-14.171	-	-
	6845	179	Low	-14.097	-14.727	-13.867	-14.168	-	-
			Mid	-14.341	-15.211	-14.161	-	-15.966	-16.038
			High	-14.159	-14.733	-14.176	-14.257	-	-
UNII 8	6885	187	Low	-15.926	-16.632	-15.581	-16.079	-	-
			Mid	-16.158	-16.987	-15.972	-	-17.907	-17.946
			High	-16.251	-16.754	-15.993	-16.404	-	-
	7005	211	Low	-15.608	-16.176	-15.120	-15.463	-	-
			Mid	-15.899	-16.729	-15.359	-	-17.754	-18.464
			High	-15.781	-16.483	-15.400	-15.977	-	-
	7085	227	Low	-14.121	-15.121	-14.008	-14.533	-	-
			Mid	-14.937	-15.592	-14.317	-	-16.555	-17.210
			High	-14.876	-15.407	-14.556	-14.986	-	-

HE80	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	-9.165	-10.070	-8.732	-9.221	-11.112	-	-
			Mid	-10.616	-10.214	-8.874	-9.205	-	-13.833	-13.931
			High	-9.316	-9.961	-8.914	-9.005	-11.271	-	-
	6145	39	Low	-9.475	-9.988	-9.144	-9.210	-11.318	-	-
			Mid	-10.203	-10.237	-9.040	-9.541	-	-14.221	-14.368
			High	-9.179	-10.055	-9.071	-9.127	-11.466	-	-
	6385	87	Low	-9.945	-10.740	-10.047	-10.188	-12.100	-	-
			Mid	-11.086	-10.991	-10.206	-10.396	-	-15.093	-15.099
			High	-10.002	-11.088	-9.844	-10.269	-12.182	-	-
UNII 6	6465	103	Low	-11.093	-11.938	-11.326	-11.400	-13.573	-	-
			Mid	-12.557	-11.979	-11.425	-11.516	-	-16.524	-16.522
			High	-11.370	-12.053	-11.481	-11.636	-13.553	-	-
UNII 7	6545	119	Low	-13.266	-14.658	-13.256	-13.637	-15.713	-	-
			Mid	-15.346	-14.762	-13.608	-13.993	-	-18.578	-18.885
			High	-13.960	-14.451	-13.590	-14.112	-16.070	-	-
	6705	151	Low	-13.543	-14.426	-13.621	-13.985	-15.873	-	-
			Mid	-14.990	-14.806	-14.199	-14.204	-	-18.835	-18.915
			High	-13.464	-14.593	-14.145	-14.285	-16.110	-	-
	6865	183	Low	-13.988	-15.017	-13.545	-13.827	-16.124	-	-
			Mid	-15.486	-15.166	-13.991	-14.466	-	-18.829	-19.276
			High	-14.590	-14.862	-14.245	-14.845	-16.283	-	-
UNII 8	6945	199	Low	-15.260	-15.777	-14.486	-14.795	-16.919	-	-
			Mid	-16.748	-16.100	-15.433	-15.327	-	-19.800	-20.392
			High	-15.741	-16.381	-15.562	-15.820	-17.538	-	-
	7025	215	Low	-13.523	-14.441	-13.148	-13.974	-16.302	-	-
			Mid	-15.017	-14.356	-13.401	-14.477	-	-19.242	-19.458
			High	-14.258	-14.778	-13.308	-14.869	-16.613	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-9.543	-10.373	-9.363	-9.850	-11.738	-
			Mid	-11.180	-11.002	-9.602	-10.181	-	-14.735
			High	-10.227	-11.304	-10.139	-10.312	-11.887	-
	6185	47	Low	-10.673	-11.221	-10.237	-10.726	-12.791	-
			Mid	-11.706	-11.616	-10.478	-10.702	-	-15.777
			High	-10.933	-11.541	-10.527	-10.929	-12.846	-
	6345	79	Low	-10.577	-10.853	-10.283	-10.343	-12.512	-
			Mid	-11.737	-11.211	-10.355	-10.358	-	-15.374
			High	-10.946	-11.410	-10.149	-10.672	-12.098	-
UNII 6	6505	111	Low	-11.325	-11.682	-10.952	-11.549	-13.611	-
			Mid	-12.977	-12.515	-11.629	-11.662	-	-16.717
			High	-12.137	-12.917	-11.728	-11.990	-14.079	-
UNII 7	6665	143	Low	-14.480	-15.635	-14.584	-14.527	-16.661	-
			Mid	-15.952	-15.980	-15.045	-14.820	-	-19.690
			High	-15.422	-15.781	-15.083	-15.252	-16.950	-
	6825	175	Low	-13.819	-15.044	-13.552	-13.571	-15.747	-
			Mid	-15.622	-15.048	-13.933	-13.912	-	-18.600
			High	-14.461	-15.577	-14.438	-14.300	-16.042	-
UNII 8	6985	207	Low	-15.241	-15.721	-14.447	-14.792	-17.432	-
			Mid	-16.826	-16.677	-15.253	-14.988	-	-20.804
			High	-16.462	-17.053	-15.646	-16.034	-18.546	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-10.871	-11.071	-10.065	-10.666	-12.572	-
			Mid	-11.767	-11.304	-10.538	-10.669	-	-15.545
			High	-10.657	-11.367	-10.210	-10.418	-12.413	-
	6185	47	Low	-11.030	-11.764	-10.763	-11.047	-12.847	-
			Mid	-11.713	-11.526	-10.434	-11.158	-	-15.607
			High	-10.744	-11.464	-10.030	-10.622	-12.738	-
	6345	79	Low	-10.639	-11.066	-10.434	-10.457	-12.364	-
			Mid	-11.338	-11.143	-9.829	-10.593	-	-15.459
			High	-10.678	-10.939	-10.136	-10.426	-12.451	-
UNII 6	6505	111	Low	-11.755	-12.621	-11.978	-12.051	-14.062	-
			Mid	-13.550	-12.871	-12.104	-12.282	-	-17.031
			High	-12.086	-13.050	-11.766	-12.219	-14.068	-
UNII 7	6665	143	Low	-15.081	-15.991	-14.812	-15.476	-17.162	-
			Mid	-16.017	-16.164	-15.202	-15.393	-	-20.327
			High	-15.412	-15.936	-15.123	-15.436	-17.402	-
	6825	175	Low	-14.772	-15.403	-14.217	-14.502	-16.515	-
			Mid	-15.727	-15.338	-14.765	-14.740	-	-19.777
			High	-14.557	-15.448	-14.839	-14.905	-16.925	-
UNII 8	6985	207	Low	-15.811	-17.386	-15.679	-16.528	-19.118	-
			Mid	-17.569	-17.346	-16.392	-16.491	-	-22.262
			High	-16.746	-17.788	-16.335	-17.044	-19.427	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>E.I.R.P Power Spectral Density (dBm/MHz)</b>
UNII 5	6025	15	-18.416
	6185	47	-19.037
	6345	79	-18.582
UNII 6	6505	111	-19.672
UNII 7	6665	143	-23.022
	6825	175	-22.313
UNII 8	6985	207	-23.796

<b>802.11a</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>E.I.R.P Power Spectral Density (dBm/MHz)</b>
UNII 5	5955	1	-8.017
	6175	45	-8.806
	6415	93	-9.291
UNII 6	6435	97	-9.965
	6475	105	-9.876
	6515	113	-10.084
UNII 7	6535	117	-12.865
	6695	149	-11.921
	6875	185	-13.176
UNII 8	6895	189	-12.960
	6995	209	-14.130
	7115	233	-13.677

10.4.1.2 SISO Ant.2

HE20	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-8.466	-9.208	-8.141	-	-
			Mid	-9.791	-9.370	-	-8.487	-7.830
			High	-8.286	-9.253	-8.183	-	-
	6175	45	Low	-7.869	-8.628	-7.853	-	-
			Mid	-9.410	-8.969	-	-8.263	-7.355
			High	-8.095	-8.752	-7.674	-	-
	6415	93	Low	-10.145	-10.972	-10.313	-	-
			Mid	-11.727	-10.855	-	-10.221	-9.523
			High	-9.780	-11.050	-10.417	-	-
UNII 6	6435	97	Low	-8.724	-9.309	-8.762	-	-
			Mid	-9.800	-9.683	-	-8.740	-8.150
			High	-8.636	-9.486	-8.612	-	-
	6475	105	Low	-7.569	-8.302	-7.240	-	-
			Mid	-8.773	-8.585	-	-7.543	-6.983
			High	-7.626	-8.268	-7.156	-	-
	6515	113	Low	-7.489	-8.462	-7.170	-	-
			Mid	-8.915	-8.621	-	-7.691	-7.040
			High	-7.425	-8.286	-7.444	-	-
UNII 7	6535	117	Low	-8.102	-8.849	-8.078	-	-
			Mid	-9.635	-9.172	-	-8.253	-7.777
			High	-7.947	-8.797	-8.129	-	-
	6695	149	Low	-8.562	-9.593	-8.476	-	-
			Mid	-10.012	-9.678	-	-8.598	-8.065
			High	-8.588	-9.737	-8.512	-	-
	6875	185	Low	-9.170	-9.945	-9.857	-	-
			Mid	-10.929	-10.811	-	-10.100	-9.263
			High	-9.377	-10.586	-9.791	-	-
UNII 8	6895	189	Low	-9.325	-10.241	-9.472	-	-
			Mid	-10.966	-10.612	-	-9.396	-8.955
			High	-9.553	-10.511	-9.246	-	-
	6995	209	Low	-9.478	-10.035	-9.191	-	-
			Mid	-11.259	-10.634	-	-9.249	-8.791
			High	-9.338	-10.622	-9.257	-	-
	7115	233	Low	-11.150	-11.818	-10.630	-	-
			Mid	-12.650	-11.957	-	-10.961	-10.282
			High	-11.219	-11.657	-10.937	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-7.656	-8.752	-7.705	-7.970	-	-
			Mid	-8.530	-9.067	-7.883	-	-9.809	-9.807
			High	-8.281	-8.959	-7.707	-8.053	-	-
	6165	43	Low	-7.549	-8.768	-7.671	-8.000	-	-
			Mid	-8.152	-8.571	-7.651	-	-9.742	-9.553
			High	-7.922	-8.683	-7.563	-8.051	-	-
	6405	91	Low	-8.130	-8.712	-7.549	-8.045	-	-
			Mid	-8.205	-8.667	-7.770	-	-9.853	-9.723
			High	-8.169	-8.587	-7.611	-8.053	-	-
UNII 6	6445	99	Low	-8.494	-9.291	-8.631	-8.622	-	-
			Mid	-8.893	-9.553	-8.931	-	-10.628	-10.597
			High	-8.616	-9.373	-8.872	-8.764	-	-
	6485	107	Low	-7.770	-8.101	-7.237	-7.876	-	-
			Mid	-7.844	-8.398	-7.456	-	-9.498	-9.475
			High	-7.474	-8.286	-7.130	-7.620	-	-
	6525	115	Low	-7.663	-8.318	-7.252	-7.787	-	-
			Mid	-8.033	-8.542	-7.458	-	-9.439	-9.622
			High	-7.855	-8.219	-7.555	-7.807	-	-
UNII 7	6565	123	Low	-8.010	-8.648	-8.163	-8.683	-	-
			Mid	-8.699	-9.256	-8.263	-	-10.274	-10.309
			High	-8.601	-9.074	-8.299	-8.500	-	-
	6685	147	Low	-8.401	-8.969	-8.154	-8.769	-	-
			Mid	-8.438	-9.238	-8.495	-	-10.634	-10.489
			High	-8.287	-9.111	-8.403	-9.175	-	-
	6845	179	Low	-9.028	-10.137	-9.078	-9.885	-	-
			Mid	-9.768	-10.285	-9.511	-	-11.371	-11.461
			High	-9.616	-10.087	-9.617	-10.128	-	-
UNII 8	6885	187	Low	-10.011	-10.852	-9.940	-10.204	-	-
			Mid	-10.481	-10.714	-9.994	-	-12.416	-12.191
			High	-10.081	-10.847	-10.320	-10.764	-	-
	7005	211	Low	-9.753	-9.926	-9.221	-9.651	-	-
			Mid	-10.020	-10.419	-9.277	-	-12.498	-13.005
			High	-9.856	-10.468	-9.445	-9.733	-	-
	7085	227	Low	-10.188	-11.075	-10.079	-10.566	-	-
			Mid	-10.861	-11.424	-10.195	-	-13.138	-13.926
			High	-10.832	-11.516	-10.361	-10.665	-	-



HE80	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	-8.163	-8.856	-7.797	-8.249	-9.986	-	-
			Mid	-9.068	-8.979	-7.858	-8.240	-	-12.614	-12.904
			High	-7.737	-8.921	-7.723	-7.827	-9.796	-	-
	6145	39	Low	-7.801	-8.860	-7.669	-7.880	-9.889	-	-
			Mid	-9.214	-8.399	-7.472	-7.895	-	-12.595	-12.794
			High	-7.569	-8.549	-7.332	-7.795	-9.530	-	-
	6385	87	Low	-8.596	-8.970	-7.660	-7.880	-10.068	-	-
			Mid	-9.117	-9.012	-7.935	-8.074	-	-12.992	-13.087
			High	-7.999	-8.686	-7.666	-7.759	-9.998	-	-
UNII 6	6465	103	Low	-8.411	-9.465	-8.930	-8.856	-10.853	-	-
			Mid	-9.727	-9.598	-9.249	-9.004	-	-13.793	-13.774
			High	-8.636	-9.663	-8.955	-8.739	-10.754	-	-
UNII 7	6545	119	Low	-8.052	-9.004	-7.728	-8.135	-10.098	-	-
			Mid	-9.666	-8.752	-8.060	-8.263	-	-13.129	-12.954
			High	-8.561	-8.843	-7.747	-8.442	-10.316	-	-
	6705	151	Low	-8.127	-8.967	-7.897	-8.540	-10.446	-	-
			Mid	-9.250	-9.290	-8.809	-8.694	-	-13.436	-13.874
			High	-8.755	-9.089	-8.752	-9.023	-10.707	-	-
	6865	183	Low	-8.414	-9.678	-8.592	-8.930	-10.998	-	-
			Mid	-10.217	-9.524	-9.228	-9.428	-	-14.003	-14.462
			High	-9.619	-10.050	-9.377	-9.927	-11.778	-	-
UNII 8	6945	199	Low	-9.336	-10.307	-9.387	-9.764	-13.237	-	-
			Mid	-10.953	-10.890	-9.943	-9.996	-	-16.142	-16.678
			High	-10.193	-10.798	-10.189	-10.530	-13.779	-	-
	7025	215	Low	-8.406	-9.621	-8.580	-10.374	-12.469	-	-
			Mid	-10.425	-10.036	-9.153	-10.787	-	-15.438	-15.742
			High	-9.474	-10.426	-9.537	-10.904	-12.702	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-8.589	-9.029	-7.808	-8.095	-10.419	-
			Mid	-9.890	-9.686	-8.498	-8.425	-	-13.359
			High	-9.120	-9.856	-8.691	-8.611	-10.604	-
	6185	47	Low	-8.729	-9.622	-8.327	-8.623	-10.741	-
			Mid	-10.199	-9.626	-8.550	-9.005	-	-13.850
			High	-9.224	-9.481	-8.414	-8.274	-10.940	-
	6345	79	Low	-8.138	-8.683	-7.495	-7.913	-9.966	-
			Mid	-8.982	-8.608	-7.674	-7.743	-	-12.977
			High	-8.035	-8.743	-7.507	-7.905	-10.166	-
UNII 6	6505	111	Low	-7.745	-8.605	-7.592	-7.578	-9.796	-
			Mid	-9.413	-8.936	-7.738	-7.960	-	-12.917
			High	-7.988	-8.741	-7.883	-7.942	-10.181	-
UNII 7	6665	143	Low	-9.180	-10.157	-8.885	-9.404	-11.176	-
			Mid	-10.614	-10.266	-9.233	-9.333	-	-14.326
			High	-9.470	-10.235	-9.669	-9.045	-11.583	-
	6825	175	Low	-9.360	-9.933	-8.782	-9.201	-11.244	-
			Mid	-10.389	-10.168	-9.269	-9.597	-	-14.300
			High	-9.548	-10.640	-9.930	-10.123	-11.592	-
UNII 8	6985	207	Low	-8.408	-9.156	-8.132	-8.405	-12.216	-
			Mid	-10.394	-10.237	-9.283	-8.672	-	-15.529
			High	-10.110	-10.741	-9.929	-9.758	-13.190	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	E.I.R.P Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-9.408	-9.784	-8.965	-9.214	-10.558	-
			Mid	-10.274	-9.718	-8.747	-8.977	-	-14.072
			High	-8.778	-9.750	-8.618	-8.833	-10.758	-
	6185	47	Low	-8.873	-9.735	-8.405	-8.824	-10.706	-
			Mid	-9.541	-9.393	-8.342	-8.678	-	-13.393
			High	-8.048	-8.974	-7.765	-8.398	-10.519	-
	6345	79	Low	-8.178	-8.820	-7.624	-7.860	-9.733	-
			Mid	-8.891	-8.270	-7.144	-7.886	-	-12.648
			High	-7.926	-8.072	-6.879	-7.496	-9.378	-
UNII 6	6505	111	Low	-8.450	-9.121	-7.931	-8.345	-10.528	-
			Mid	-9.330	-9.066	-7.777	-8.369	-	-13.160
			High	-8.324	-8.881	-8.035	-8.398	-10.307	-
UNII 7	6665	143	Low	-9.891	-10.574	-9.806	-10.073	-11.865	-
			Mid	-10.764	-10.454	-9.477	-9.914	-	-15.085
			High	-9.726	-10.499	-9.720	-10.271	-12.080	-
	6825	175	Low	-9.304	-10.796	-9.966	-10.287	-12.300	-
			Mid	-11.050	-10.730	-9.883	-10.363	-	-15.530
			High	-9.757	-11.216	-10.166	-10.715	-12.849	-
UNII 8	6985	207	Low	-10.048	-11.002	-10.024	-10.354	-14.131	-
			Mid	-11.638	-11.451	-10.061	-10.394	-	-17.193
			High	-11.134	-11.552	-10.558	-10.810	-14.394	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>E.I.R.P Power Spectral Density (dBm/MHz)</b>
UNII 5	6025	15	-16.763
	6185	47	-16.584
	6345	79	-15.813
UNII 6	6505	111	-16.001
UNII 7	6665	143	-17.966
	6825	175	-17.757
UNII 8	6985	207	-17.840

**10.4.1.3 E.I.R.P SUM (SISO Ant 1 + SISO Ant 2)**

· EIRP PSD (dBm /MHz) = SUM (Ant1 + Ant2) + Directional Gain (dBi)

HE20	Frequency [MHz]	Channel No.	RU Index	E.I.R.P MIMO Power Spectral Density (dBm/MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 5	5955	1	Low	-2.907	-3.680	-2.599	-	-
			Mid	-4.342	-3.881	-	-2.992	-2.254
			High	-2.766	-3.688	-2.697	-	-
	6175	45	Low	-2.958	-3.724	-2.852	-	-
			Mid	-4.426	-4.080	-	-3.237	-2.361
			High	-3.096	-3.888	-2.743	-	-
	6415	93	Low	-4.245	-5.148	-4.479	-	-
			Mid	-5.695	-5.234	-	-4.346	-3.696
			High	-4.090	-5.092	-4.286	-	-
UNII 6	6435	97	Low	-3.670	-4.417	-3.627	-	-
			Mid	-4.896	-4.663	-	-3.902	-3.229
			High	-3.763	-4.470	-3.726	-	-
	6475	105	Low	-3.322	-4.072	-2.909	-	-
			Mid	-4.504	-4.299	-	-3.257	-2.696
			High	-3.324	-4.047	-2.876	-	-
	6515	113	Low	-3.171	-4.122	-3.039	-	-
			Mid	-4.606	-4.375	-	-3.364	-2.767
			High	-3.312	-4.009	-3.256	-	-
UNII 7	6535	117	Low	-4.662	-5.519	-4.716	-	-
			Mid	-6.258	-5.784	-	-4.863	-4.336
			High	-4.642	-5.505	-4.779	-	-
	6695	149	Low	-4.673	-5.610	-4.683	-	-
			Mid	-6.184	-5.733	-	-4.679	-4.125
			High	-4.822	-5.686	-4.628	-	-
	6875	185	Low	-5.385	-6.185	-5.779	-	-
			Mid	-6.869	-6.817	-	-6.019	-5.240
			High	-5.520	-6.512	-5.821	-	-
UNII 8	6895	189	Low	-5.844	-6.676	-5.419	-	-
			Mid	-7.279	-6.893	-	-5.686	-5.088
			High	-5.973	-6.795	-5.519	-	-
	6995	209	Low	-6.112	-6.769	-5.731	-	-
			Mid	-7.736	-7.308	-	-6.003	-5.418
			High	-6.006	-7.169	-5.847	-	-
	7115	233	Low	-6.696	-7.427	-6.216	-	-
			Mid	-8.167	-7.601	-	-6.593	-5.937
			High	-6.781	-7.210	-6.454	-	-

HE40	Frequency [MHz]	Channel No.	RU Index	E.I.R.P MIMO Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 5	5965	3	Low	-2.360	-3.253	-2.213	-2.415	-	-
			Mid	-3.046	-3.551	-2.488	-	-4.270	-4.369
			High	-2.805	-3.490	-2.283	-2.531	-	-
	6165	43	Low	-2.501	-3.320	-2.332	-2.775	-	-
			Mid	-2.854	-3.368	-2.421	-	-4.439	-4.266
			High	-2.790	-3.523	-2.352	-2.856	-	-
	6405	91	Low	-3.069	-3.698	-2.583	-3.056	-	-
			Mid	-3.047	-3.835	-2.815	-	-4.853	-4.774
			High	-3.039	-3.704	-2.723	-3.208	-	-
UNII 6	6445	99	Low	-3.741	-4.332	-3.795	-3.837	-	-
			Mid	-3.933	-4.645	-3.907	-	-5.783	-5.721
			High	-3.932	-4.427	-3.905	-4.005	-	-
	6485	107	Low	-3.479	-3.812	-2.878	-3.583	-	-
			Mid	-3.572	-3.996	-3.204	-	-5.101	-5.202
			High	-3.274	-4.056	-2.961	-3.433	-	-
	6525	115	Low	-3.431	-4.095	-3.142	-3.584	-	-
			Mid	-3.726	-4.323	-3.262	-	-5.160	-5.372
			High	-3.623	-4.111	-3.273	-3.565	-	-
UNII 7	6565	123	Low	-4.771	-5.358	-4.866	-5.228	-	-
			Mid	-5.202	-5.928	-4.930	-	-6.985	-6.899
			High	-5.254	-5.719	-4.873	-5.206	-	-
	6685	147	Low	-4.683	-5.350	-4.541	-5.002	-	-
			Mid	-4.933	-5.696	-4.861	-	-6.940	-6.861
			High	-4.845	-5.466	-4.891	-5.385	-	-
	6845	179	Low	-5.270	-6.158	-5.193	-5.756	-	-
			Mid	-5.780	-6.463	-5.560	-	-7.394	-7.475
			High	-5.613	-6.134	-5.623	-5.923	-	-
UNII 8	6885	187	Low	-6.553	-7.332	-6.355	-6.729	-	-
			Mid	-6.912	-7.418	-6.566	-	-8.759	-8.659
			High	-6.738	-7.386	-6.750	-7.179	-	-
	7005	211	Low	-6.268	-6.619	-5.756	-6.146	-	-
			Mid	-6.546	-7.139	-5.896	-	-8.726	-9.332
			High	-6.403	-7.056	-6.006	-6.424	-	-
	7085	227	Low	-5.708	-6.660	-5.597	-6.106	-	-
			Mid	-6.462	-7.078	-5.823	-	-8.356	-9.063
			High	-6.415	-7.012	-6.029	-6.403	-	-

HE80	Frequency [MHz]	Channel No.	RU Index	E.I.R.P MIMO Power Spectral Density (dBm/MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 5	5985	7	Low	-2.622	-3.422	-2.221	-2.692	-4.508	-	-
			Mid	-3.800	-3.556	-2.324	-2.679	-	-7.183	-7.375
			High	-2.484	-3.398	-2.278	-2.376	-4.493	-	-
	6145	39	Low	-2.594	-3.382	-2.366	-2.505	-4.563	-	-
			Mid	-3.666	-3.269	-2.214	-2.675	-	-7.364	-7.538
			High	-2.331	-3.260	-2.156	-2.421	-4.446	-	-
	6385	87	Low	-3.231	-3.808	-2.780	-2.965	-5.028	-	-
			Mid	-4.049	-3.948	-3.003	-3.165	-	-7.983	-8.038
			High	-2.946	-3.811	-2.693	-2.932	-5.027	-	-
UNII 6	6465	103	Low	-3.641	-4.591	-4.018	-4.018	-6.101	-	-
			Mid	-5.029	-4.677	-4.224	-4.150	-	-9.046	-9.036
			High	-3.892	-4.747	-4.108	-4.073	-6.041	-	-
UNII 7	6545	119	Low	-4.360	-5.500	-4.171	-4.568	-6.578	-	-
			Mid	-6.173	-5.393	-4.512	-4.791	-	-9.538	-9.563
			High	-4.949	-5.320	-4.321	-4.945	-6.854	-	-
	6705	151	Low	-4.523	-5.380	-4.422	-4.948	-6.846	-	-
			Mid	-5.782	-5.728	-5.193	-5.130	-	-9.824	-10.104
			High	-4.832	-5.522	-5.138	-5.352	-7.097	-	-
	6865	183	Low	-4.877	-6.040	-4.782	-5.095	-7.266	-	-
			Mid	-6.549	-6.015	-5.330	-5.657	-	-10.134	-10.588
			High	-5.818	-6.175	-5.528	-6.101	-7.758	-	-
UNII 8	6945	199	Low	-5.883	-6.639	-5.536	-5.879	-8.612	-	-
			Mid	-7.440	-7.094	-6.286	-6.261	-	-11.502	-12.071
			High	-6.564	-7.185	-6.475	-6.775	-9.199	-	-
	7025	215	Low	-4.564	-5.626	-4.452	-5.701	-7.932	-	-
			Mid	-6.310	-5.773	-4.851	-6.167	-	-10.883	-11.137
			High	-5.461	-6.181	-4.964	-6.443	-8.210	-	-

HE160_80L	Frequency [MHz]	Channel No.	RU Index	E.I.R.P MIMO Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-3.022	-3.660	-2.544	-2.927	-5.038	-
			Mid	-4.494	-4.303	-3.009	-3.257	-	-8.007
			High	-3.632	-4.539	-3.374	-3.417	-5.205	-
	6185	47	Low	-3.648	-4.378	-3.231	-3.616	-5.710	-
			Mid	-4.911	-4.567	-3.463	-3.809	-	-8.762
			High	-4.033	-4.454	-3.411	-3.509	-5.842	-
	6345	79	Low	-3.280	-3.706	-2.786	-3.052	-5.154	-
			Mid	-4.258	-3.820	-2.920	-2.961	-	-8.101
			High	-3.376	-3.982	-2.736	-3.187	-5.080	-
UNII 6	6505	111	Low	-3.391	-4.023	-3.141	-3.392	-5.544	-
			Mid	-5.052	-4.581	-3.518	-3.660	-	-8.658
			High	-3.874	-4.638	-3.644	-3.788	-5.964	-
UNII 7	6665	143	Low	-5.525	-6.578	-5.400	-5.671	-7.601	-
			Mid	-6.975	-6.787	-5.795	-5.759	-	-10.699
			High	-6.088	-6.685	-6.064	-5.764	-7.957	-
	6825	175	Low	-5.317	-6.194	-4.888	-5.115	-7.223	-
			Mid	-6.704	-6.324	-5.325	-5.484	-	-10.180
			High	-5.719	-6.822	-5.911	-5.942	-7.545	-
UNII 8	6985	207	Low	-5.348	-5.984	-4.854	-5.158	-8.424	-
			Mid	-7.166	-7.012	-5.851	-5.394	-	-11.766
			High	-6.847	-7.461	-6.380	-6.463	-9.467	-



HE160_80U	Frequency [MHz]	Channel No.	RU Index	E.I.R.P MIMO Power Spectral Density (dBm/MHz)					
				26 T	52 T	106 T	242 T	484 T	996 T
UNII 5	6025	15	Low	-4.098	-4.387	-3.474	-3.900	-5.510	-
			Mid	-4.979	-4.468	-3.596	-3.779	-	-8.767
			High	-3.667	-4.515	-3.372	-3.583	-5.542	-
	6185	47	Low	-3.890	-4.694	-3.512	-3.871	-5.716	-
			Mid	-4.565	-4.399	-3.330	-3.838	-	-8.436
			High	-3.300	-4.138	-2.831	-3.446	-5.564	-
	6345	79	Low	-3.329	-3.877	-2.924	-3.070	-4.958	-
			Mid	-4.036	-3.595	-2.392	-3.143	-	-7.948
			High	-3.201	-3.395	-2.358	-2.845	-4.785	-
UNII 6	6505	111	Low	-3.973	-4.732	-3.776	-4.046	-6.154	-
			Mid	-5.245	-4.809	-3.735	-4.158	-	-8.931
			High	-4.049	-4.775	-3.747	-4.149	-6.032	-
UNII 7	6665	143	Low	-6.187	-6.969	-6.020	-6.463	-8.209	-
			Mid	-7.088	-6.973	-6.003	-6.337	-	-11.405
			High	-6.235	-6.903	-6.110	-6.557	-8.435	-
	6825	175	Low	-5.721	-6.824	-5.821	-6.125	-8.137	-
			Mid	-7.111	-6.759	-6.041	-6.281	-	-11.383
			High	-5.876	-7.061	-6.226	-6.540	-8.616	-
UNII 8	6985	207	Low	-6.520	-7.753	-6.446	-7.014	-10.223	-
			Mid	-8.187	-7.984	-6.790	-7.020	-	-13.327
			High	-7.534	-8.238	-7.037	-7.496	-10.510	-

<b>HE160_SU</b>	<b>Frequency [MHz]</b>	<b>Channel No.</b>	<b>E.I.R.P MIMO Power Spectral Density (dBm/MHz)</b>
UNII 5	6025	15	-11.546
	6185	47	-11.732
	6345	79	-11.095
UNII 6	6505	111	-11.687
UNII 7	6665	143	-14.203
	6825	175	-13.761
UNII 8	6985	207	-14.401

**10.5 In-Band Emission**

-See Annex B Test Plot

**10.6 Contention Based Protocol**

- Contention-based Protocol Detection Level

Band	BW	Channel No.	Incumbent Freq (MHz)	injected Power [dBm]	Antenna Gain [dBi]	Adjusted Power [dBm]	EUT TX Status
UNII 5	HE20	37	6135	-81.95	-2.20	-79.75	Ceased
				-83.62	-2.20	-81.42	Minimal
				-84.54	-2.20	-82.34	Normal
	HE160	47	6110	-80.09	-2.20	-77.89	Ceased
				-81.73	-2.20	-79.53	Minimal
				-82.64	-2.20	-80.44	Normal
			6185	-75.12	-2.20	-72.92	Ceased
				-76.87	-2.20	-74.67	Minimal
				-77.78	-2.20	-75.58	Normal
		6250	-85.02	-2.20	-82.82	Ceased	
			-86.23	-2.20	-84.03	Minimal	
			-87.05	-2.20	-84.85	Normal	
UNII 6	HE20	101	6455	-79.88	-3.10	-76.78	Ceased
				-81.57	-3.10	-78.47	Minimal
				-82.36	-3.10	-79.26	Normal
	HE160	111	6430	-80.56	-3.10	-77.46	Ceased
				-82.45	-3.10	-79.35	Minimal
				-83.17	-3.10	-80.07	Normal
			6505	-75.35	-3.10	-72.25	Ceased
				-77.38	-3.10	-74.28	Minimal
				-78.16	-3.10	-75.06	Normal
		6580	-83.99	-5.20	-78.79	Ceased	
			-85.76	-5.20	-80.56	Minimal	
			-86.18	-5.20	-80.98	Normal	

Band	BW	Channel No.	Incumbent Freq (MHz)	injected Power [dBm]	Antenna Gain [dBi]	Adjusted Power [dBm]	EUT TX Status	
UNII 7	HE20	133	6615	-79.77	-5.20	-74.57	Ceased	
				-80.92	-5.20	-75.72	Minimal	
				-81.71	-5.20	-76.51	Normal	
	HE160	143	6590	6665	-78.85	-5.20	-73.65	Ceased
					-79.93	-5.20	-74.73	Minimal
					-80.88	-5.20	-75.68	Normal
			-74.61	-6.70	-67.91	Ceased		
			-75.72	-6.70	-69.02	Minimal		
			-76.51	-6.70	-69.81	Normal		
		6740	6665	-83.96	-6.70	-77.26	Ceased	
				-84.94	-6.70	-78.24	Minimal	
				-85.75	-6.70	-79.05	Normal	
UNII 8	HE20	197	6935	-80.18	-8.30	-71.88	Ceased	
				-79.89	-8.30	-71.59	Minimal	
				-80.59	-8.30	-72.29	Normal	
	HE160	207	6910	6985	-78.48	-8.30	-70.18	Ceased
					-79.89	-8.30	-71.59	Minimal
					-80.59	-8.30	-72.29	Normal
			-73.55	-8.30	-65.25	Ceased		
			-75.06	-8.30	-66.76	Minimal		
			-75.86	-8.30	-67.56	Normal		
		7060	6985	-81.49	-8.30	-73.19	Ceased	
				-82.86	-8.30	-74.56	Minimal	
				-83.63	-8.30	-75.33	Normal	

**Note:**

1. KDB 987594 D02, contention based protocol was tested using an AWGN signal with a bandwidth of 10MHz.  
The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
2.  $\text{Injected Power(dBm)} = \text{Actual power of AWGN injected into the antenna port(dBm)} + \text{Path Loss(dB)}$
3.  $\text{Adjusted Power(dBm)} = \text{Injected Power(dBm)} - \text{Antenna Gain(dBi)}$
4. In order to simplify the report, attached were only the worst-case plots.  
Plot & Antenna Gain is described in [UNII 6e] Plot Annex B. Please refer to [UNII 6e] Plot Annex B.

- Incumbent Detection Result

Band	BW	Channel No.	Incumbent Freq (MHz)	Injected Power [dBm]	Antenna Gain [dBi]	Adjusted Power [dBm]	Detection Limit [dBm]	Margin [dB]
UNII 5	HE20	37	6135	-81.95	-2.20	-79.75	-62.00	17.75
	HE160	47	6110	-80.09	-2.20	-77.89	-62.00	15.89
			6185	-75.12	-2.20	-72.92	-62.00	10.92
			6250	-85.02	-2.20	-82.82	-62.00	20.82
UNII 6	HE20	101	6455	-79.88	-3.10	-76.78	-62.00	14.78
	HE160	111	6430	-80.56	-3.10	-77.46	-62.00	15.46
			6505	-75.35	-3.10	-72.25	-62.00	10.25
			6580	-83.99	-5.20	-78.79	-62.00	16.79
UNII 7	HE20	133	6615	-79.77	-5.20	-74.57	-62.00	12.57
	HE160	143	6590	-78.85	-5.20	-73.65	-62.00	11.65
			6665	-74.61	-6.70	-67.91	-62.00	5.91
			6740	-83.96	-6.70	-77.26	-62.00	15.26
UNII 8	HE20	197	6935	-80.18	-8.30	-71.88	-62.00	9.88
	HE160	207	6910	-78.48	-8.30	-70.18	-62.00	8.18
			6985	-73.55	-8.30	-65.25	-62.00	3.25
			7060	-81.49	-8.30	-73.19	-62.00	11.19

**Note:**

1. KDB 987594 D02, contention based protocol was tested using an AWGN signal with a bandwidth of 10MHz.  
The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
2.  $\text{Injected Power(dBm)} = \text{Actual power of AWGN injected into the antenna port(dBm)} + \text{Path Loss(dB)}$
3.  $\text{Adjusted Power(dBm)} = \text{Injected Power(dBm)} - \text{Antenna Gain(dBi)}$
4. In order to simplify the report, attached were only the worst-case plots.  
Plot & Antenna Gain is described in [UNII 6e] Plot Annex B. Please refer to [UNII 6e] Plot Annex B.

- Detection probability evaluation table Result

Band	BW	Channel No.	Center Frequency (MHz)	Incumbent Frequency (MHz)	Adjusted Power [dBm]	1	2	3	4	5	6	7	8	9	10	AWGN	Limit	
																Detection Probability (%)	Probability (%)	
UNII 5	HE20	37	6135	6135	-79.75	o	o	o	o	o	o	o	o	o	o	100	90	
	HE160	47	6185	6110	-77.89	o	o	o	o	o	o	o	o	o	o	100	90	
				6185	-72.92	o	o	o	o	o	o	o	o	o	o	o	100	90
				6250	-82.82	o	o	o	o	o	o	o	o	o	o	o	o	100
UNII 6	HE20	101	6455	6455	-76.78	o	o	o	o	o	o	o	o	o	o	100	90	
	HE160	111	6505	6430	-77.46	o	o	o	o	o	o	o	o	o	o	100	90	
				6505	-72.25	o	o	o	o	o	o	o	o	o	o	o	100	90
				6580	-78.79	o	o	o	o	o	o	o	o	o	o	o	o	100
UNII 7	HE20	133	6615	6615	-74.57	o	o	o	o	o	o	o	o	o	o	100	90	
	HE160	143	6665	6590	-73.65	o	o	o	o	o	o	o	o	o	o	100	90	
				6665	-67.91	o	o	o	o	o	o	o	o	o	o	o	100	90
				6740	-77.26	o	o	o	o	o	o	o	o	o	o	o	o	100
UNII 8	HE20	197	6935	6935	-71.88	o	o	o	o	o	o	o	o	o	o	100	90	
	HE160	207	6985	6910	-70.18	o	o	o	o	o	o	o	o	o	o	100	90	
				6985	-65.25	o	o	o	o	o	o	o	o	o	o	o	100	90
				7060	-73.19	o	o	o	o	o	o	o	o	o	o	o	o	100

**10.7 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)**

**Frequency Range : 9 kHz – 30 MHz**

Frequency	Measured Value	A.F+C.L-A.G+D.F	POL	Total	Limit	Margin
[MHz]	[dBµV]	[dB/m]	[H/V]	[dBµV/m]	[dBµV/m]	[dB]
No Critical peaks found						

**Note:**

1. The Measured Value of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor =  $40\log(\text{specific distance} / \text{test distance})$  (dB)
3. Limit line = specific Limits (dBµV) + Distance extrapolation factor

**Frequency Range : Below 1 GHz**

Frequency	Measured Value	A.F+C.L	POL	Total	Limit	Margin
[MHz]	[dBµV]	[dB/m]	[H/V]	[dBµV/m]	[dBµV/m]	[dB]
No Critical peaks found						

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode



**10.8 RADIATED SPURIOUS EMISSIONS (Above 1 GHz)**

**1) 802.11a (SISO)**

Band :	UNII 5
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5955 MHz
Channel No.	1 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11910	52.43	0.00	-0.36	V	52.07	73.98	21.91	PK
11910	40.46	0.28	-0.36	V	40.38	53.98	13.60	AV
17865	49.91	0.00	6.06	V	55.97	73.98	18.01	PK
17865	38.02	0.28	6.06	V	44.36	53.98	9.62	AV
11910	51.59	0.00	-0.36	H	51.23	73.98	22.75	PK
11910	40.43	0.28	-0.36	H	40.35	53.98	13.63	AV
17865	49.16	0.00	6.06	H	55.22	73.98	18.76	PK
17865	37.92	0.28	6.06	H	44.26	53.98	9.72	AV

Band :	UNII 5
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	6175 MHz
Channel No.	45 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12350	40.93	0.00	0.00	V	40.93	73.98	33.05	PK
12350	38.82	0.28	0.00	V	39.10	53.98	14.88	AV
18525	54.58	0.00	0.06	V	54.64	73.98	19.34	PK
18525	43.29	0.28	0.06	V	43.63	53.98	10.35	AV
12350	51.20	0.00	0.00	H	51.20	73.98	22.78	PK
12350	38.95	0.28	0.00	H	39.23	53.98	14.75	AV
18525	55.14	0.00	0.06	H	55.20	73.98	18.78	PK
18525	43.36	0.28	0.06	H	43.70	53.98	10.28	AV

Band : UNII 5  
 Operation Mode: 802.11a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 6415 MHz  
 Channel No. 93 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12830	50.48	0.00	0.92	V	51.40	68.23	16.83	PK
19245	51.46	0.00	1.40	V	52.86	73.98	21.12	PK
19245	40.67	0.28	1.40	V	42.35	53.98	11.63	AV
12830	51.31	0.00	0.92	H	52.23	68.23	16.00	PK
19245	52.17	0.00	1.40	H	53.57	73.98	20.41	PK
19245	40.91	0.28	1.40	H	42.59	53.98	11.39	AV

**2) 242 Tone RU 61 (MIMO)**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11910	53.10	0.0	-0.36	V	52.74	73.98	21.24	PK
11910	40.38	0.1	-0.36	V	40.12	53.98	13.86	AV
17865	51.02	0.0	6.06	V	57.08	73.98	16.90	PK
17865	38.04	0.1	6.06	V	44.20	53.98	9.78	AV
11910	52.08	0.0	-0.36	H	51.72	73.98	22.26	PK
11910	40.36	0.1	-0.36	H	40.10	53.98	13.88	AV
17865	49.64	0.0	6.06	H	55.70	73.98	18.28	PK
17865	38.02	0.1	6.06	H	44.18	53.98	9.80	AV

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	6175 MHz
Channel No.	45 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12350	51.27	0.0	0.00	V	51.27	73.98	22.71	PK
12350	38.99	0.1	0.00	V	39.09	53.98	14.89	AV
18525	53.26	0.0	0.06	V	53.32	73.98	20.66	PK
18525	42.81	0.1	0.06	V	42.97	53.98	11.01	AV
12350	51.81	0.0	0.00	H	51.81	73.98	22.17	PK
12350	39.01	0.1	0.00	H	39.11	53.98	14.87	AV
18525	54.97	0.0	0.06	H	55.03	73.98	18.95	PK
18525	43.41	0.1	0.06	H	43.57	53.98	10.41	AV

Band : UNII 5  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6415 MHz  
 Channel No. 93 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12830	50.16	0.0	0.92	V	51.08	68.23	17.15	PK
19245	51.72	0.0	1.40	V	53.12	73.98	20.86	PK
19245	40.19	0.1	1.40	V	41.69	53.98	12.29	AV
12830	51.29	0.0	0.92	H	52.21	68.23	16.02	PK
19245	52.09	0.0	1.40	H	53.49	73.98	20.49	PK
19245	40.23	0.1	1.40	H	41.73	53.98	12.25	AV

Band : UNII 6  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6435 MHz  
 Channel No. 97 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12870	50.26	0.0	1.10	V	51.36	68.23	16.87	PK
19305	50.79	0.0	1.81	V	52.60	73.98	21.38	PK
19305	39.61	0.1	1.81	V	41.52	53.98	12.46	AV
12870	51.13	0.0	1.10	H	52.23	68.23	16.00	PK
19305	51.35	0.0	1.81	H	53.16	73.98	20.82	PK
19305	39.70	0.1	1.81	H	41.61	53.98	12.37	AV

Band :	UNII 6
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	6475 MHz
Channel No.	105 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12950	49.66	0.0	1.35	V	51.01	68.23	17.22	PK
19425	50.29	0.0	2.72	V	53.01	73.98	20.97	PK
19425	38.52	0.1	2.72	V	41.34	53.98	12.64	AV
12950	50.26	0.0	1.35	H	51.61	68.23	16.62	PK
19425	49.46	0.0	2.72	H	52.18	73.98	21.80	PK
19425	38.44	0.1	2.72	H	41.26	53.98	12.72	AV

Band :	UNII 6
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	6515 MHz
Channel No.	113 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13030	49.86	0.0	1.33	V	51.19	68.23	17.04	PK
19545	49.63	0.0	3.61	V	53.24	73.98	20.74	PK
19545	37.56	0.1	3.61	V	41.27	53.98	12.71	AV
13030	50.69	0.0	1.33	H	52.02	68.23	16.21	PK
19545	48.73	0.0	3.61	H	52.34	73.98	21.64	PK
19545	37.42	0.1	3.61	H	41.13	53.98	12.85	AV

Band : UNII 7  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6535 MHz  
 Channel No. 117 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13070	50.25	0.0	1.28	V	51.53	68.23	16.70	PK
19605	48.46	0.0	3.79	V	52.25	73.98	21.73	PK
19605	37.36	0.1	3.79	V	41.09	53.98	12.89	AV
13070	50.35	0.0	1.28	H	51.63	68.23	16.60	PK
19605	48.94	0.0	3.79	H	52.73	73.98	21.25	PK
19605	37.41	0.1	3.79	H	41.30	53.98	12.68	AV

Band : UNII 7  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6695 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13390	50.58	0.0	1.72	V	52.30	73.98	21.68	PK
13390	38.45	0.1	1.72	V	40.27	53.98	13.71	AV
20085	46.17	0.0	6.22	V	52.39	73.98	21.59	PK
20085	35.32	0.1	6.22	V	41.64	53.98	12.34	AV
13390	51.18	0.0	1.72	H	52.90	73.98	21.08	PK
13390	38.55	0.1	1.72	H	40.37	53.98	13.61	AV
20085	47.64	0.0	6.22	H	53.86	73.98	20.12	PK
20085	35.46	0.1	6.22	H	41.78	53.98	12.20	AV

Band : UNII 7

---

Operation Mode: 802.11ax(HE20)

---

Transfer MCS Index: MCS0

---

Operating Frequency 6855 MHz

---

Channel No. 181 Ch

---

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L- A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13710	50.47	0.0	2.43	V	52.90	68.23	15.33	PK
20565	44.80	0.0	7.08	V	51.88	73.98	22.10	PK
20565	34.13	0.1	7.08	V	41.31	53.98	12.67	AV
13710	51.48	0.0	2.43	H	53.91	68.23	14.32	PK
20565	45.94	0.0	7.08	H	53.02	73.98	20.96	PK
20565	34.17	0.1	7.08	H	41.35	53.98	12.63	AV

Band : UNII 8

---

Operation Mode: 802.11ax(HE20)

---

Transfer MCS Index: MCS0

---

Operating Frequency 6895 MHz

---

Channel No. 189 Ch

---

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L- A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13790	51.58	0.0	2.45	V	54.03	68.23	14.20	PK
20685	45.32	0.0	7.14	V	52.46	73.98	21.52	PK
20685	33.66	0.1	7.14	V	40.90	53.98	13.08	AV
13790	50.83	0.0	2.45	H	53.28	68.23	14.95	PK
20685	46.42	0.0	7.14	H	53.56	73.98	20.42	PK
20685	33.73	0.1	7.14	H	40.97	53.98	13.01	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6995 MHz  
 Channel No. 209 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
13990	50.93	0.0	2.97	V	53.90	68.23	14.33	PK
20985	46.40	0.0	7.03	V	53.43	73.98	20.55	PK
20985	33.82	0.1	7.03	V	40.95	53.98	13.03	AV
13990	50.06	0.0	2.97	H	53.03	68.23	15.20	PK
20985	46.85	0.0	7.03	H	53.88	73.98	20.10	PK
20985	34.98	0.1	7.03	H	42.11	53.98	11.87	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 7115MHz  
 Channel No. 233 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
14230	50.01	0.0	3.57	V	53.58	68.23	14.65	PK
21345	48.56	0.0	6.02	V	54.58	73.98	19.40	PK
21345	35.53	0.1	6.02	V	41.65	53.98	12.33	AV
14230	49.81	0.0	3.57	H	53.38	68.23	14.85	PK
21345	49.48	0.0	6.02	H	55.50	73.98	18.48	PK
21345	36.67	0.1	6.02	H	42.79	53.98	11.19	AV



**3) 484 Tone RU 65 (MIMO)**

Band : UNII 5  
 Operation Mode: 802.11ax(HE40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5965 MHz  
 Channel No. 3 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11930	51.94	0.0	-0.88	V	51.06	73.98	22.92	PK
11930	40.38	0.2	-0.88	V	39.70	53.98	14.28	AV
17895	49.08	0.0	6.25	V	55.33	73.98	18.65	PK
17895	37.76	0.2	6.25	V	44.21	53.98	9.77	AV
11930	52.03	0.0	-0.88	H	51.15	73.98	22.83	PK
11930	40.42	0.2	-0.88	H	39.74	53.98	14.24	AV
17895	49.37	0.0	6.25	H	55.62	73.98	18.36	PK
17895	37.81	0.2	6.25	H	44.26	53.98	9.72	AV

Band : UNII 5  
 Operation Mode: 802.11ax(HE40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6165 MHz  
 Channel No. 43 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12330	51.43	0.0	-0.04	V	51.39	73.98	22.59	PK
12330	39.86	0.2	-0.04	V	40.02	53.98	13.96	AV
18495	53.31	0.0	0.12	V	53.43	73.98	20.55	PK
18495	42.55	0.2	0.12	V	42.87	53.98	11.11	AV
12330	51.72	0.0	-0.04	H	51.68	73.98	22.30	PK
12330	39.92	0.2	-0.04	H	40.08	53.98	13.90	AV
18495	53.92	0.0	0.12	H	54.04	73.98	19.94	PK
18495	42.61	0.2	0.12	H	42.93	53.98	11.05	AV

Band :	UNII 5
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	6405 MHz
Channel No.	91 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12810	51.51	0.0	0.80	V	52.31	68.23	15.92	PK
19215	51.35	0.0	1.28	V	52.63	73.98	21.35	PK
19215	40.16	0.2	1.28	V	41.64	53.98	12.34	AV
12810	52.11	0.0	0.80	H	52.91	68.23	15.32	PK
19215	51.94	0.0	1.28	H	53.22	73.98	20.76	PK
19215	40.26	0.2	1.28	H	41.74	53.98	12.24	AV

**4) 996 Tone RU 67 (MIMO)**

Band : UNII 5  
 Operation Mode: 802.11ax(HE80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5985 MHz  
 Channel No. 7 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11970	52.08	0.0	-0.61	V	51.47	73.98	22.51	PK
11970	40.57	0.3	-0.61	V	40.23	53.98	13.75	AV
17955	50.01	0.0	6.41	V	56.42	73.98	17.56	PK
17955	38.39	0.3	6.41	V	45.07	53.98	8.91	AV
11970	53.96	0.0	-0.61	H	53.35	73.98	20.63	PK
11970	40.62	0.3	-0.61	H	40.28	53.98	13.70	AV
<b>17955</b>	<b>50.98</b>	<b>0.0</b>	<b>6.41</b>	<b>H</b>	<b>57.39</b>	<b>73.98</b>	<b>16.59</b>	<b>PK</b>
<b>17955</b>	<b>38.44</b>	<b>0.3</b>	<b>6.41</b>	<b>H</b>	<b>45.12</b>	<b>53.98</b>	<b>8.86</b>	<b>AV</b>

Band : UNII 5  
 Operation Mode: 802.11ax(HE80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6145 MHz  
 Channel No. 39 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12290	50.80	0.0	0.07	V	50.87	73.98	23.11	PK
12290	40.27	0.3	0.07	V	40.61	53.98	13.37	AV
18435	53.13	0.0	0.41	V	53.54	73.98	20.44	PK
18435	41.78	0.3	0.41	V	42.46	53.98	11.52	AV
12290	40.35	0.0	0.07	H	40.42	73.98	33.56	PK
12290	40.35	0.3	0.07	H	40.69	53.98	13.29	AV
18435	54.16	0.0	0.41	H	54.57	73.98	19.41	PK
18435	42.04	0.3	0.41	H	42.72	53.98	11.26	AV

Band :	UNII 5
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	6385 MHz
Channel No.	87 Ch

Frequency [MHz]	Measured Level [dB $\mu$ V]	Duty Cycle Factor	A.F+C.L- A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Measurement Type
12770	51.60	0.0	0.84	V	52.44	68.23	15.79	PK
19155	51.99	0.0	0.87	V	52.86	73.98	21.12	PK
19155	40.66	0.3	0.87	V	41.80	53.98	12.18	AV
12770	52.05	0.0	0.84	H	52.89	68.23	15.34	PK
19155	52.49	0.0	0.87	H	53.36	73.98	20.62	PK
19155	40.78	0.3	0.87	H	41.92	53.98	12.06	AV

**5) SU (MIMO)**

Band : UNII 5  
 Operation Mode: 802.11ax(HE160)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6025 MHz  
 Channel No. 15 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12050	51.86	0.00	-0.61	V	51.25	73.98	22.73	PK
12050	40.38	0.00	-0.61	V	39.77	53.98	14.21	AV
18075	47.68	0.00	2.32	V	50.00	73.98	23.98	PK
18075	37.11	0.00	2.32	V	39.43	53.98	14.55	AV
12050	52.38	0.00	-0.61	H	51.77	73.98	22.21	PK
12050	40.42	0.00	-0.61	H	39.81	53.98	14.17	AV
18075	48.74	0.00	2.32	H	51.06	73.98	22.92	PK
18075	37.26	0.00	2.32	H	39.58	53.98	14.40	AV

Band : UNII 5  
 Operation Mode: 802.11ax(HE160)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6185 MHz  
 Channel No. 47 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12370	50.77	0.00	0.07	V	50.84	73.98	23.14	PK
12370	39.78	0.00	0.07	V	39.85	53.98	14.13	AV
18555	53.77	0.00	-0.09	V	53.68	73.98	20.30	PK
18555	41.75	0.00	-0.09	V	41.66	53.98	12.32	AV
12370	39.84	0.00	0.07	H	39.91	73.98	34.07	PK
12370	39.84	0.00	0.07	H	39.91	53.98	14.07	AV
18555	54.88	0.00	-0.09	H	54.79	73.98	19.19	PK
18555	42.81	0.00	-0.09	H	42.72	53.98	11.26	AV

Report No.: HCT-RF-2205-FC008-R3

Band : UNII 5  
 Operation Mode: 802.11ax(HE160)  
 Transfer MCS Index: MCS0  
 Operating Frequency 6345 MHz  
 Channel No. 79 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L- A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
12690	52.12	0.0	0.84	V	52.96	73.98	21.02	PK
12690	40.58	0.0	0.84	V	41.42	53.98	12.56	AV
19035	52.56	0.0	0.21	V	52.77	73.98	21.21	PK
19035	41.36	0.0	0.21	V	41.57	53.98	12.41	AV
12690	52.23	0.0	0.84	H	53.07	73.98	20.91	PK
12690	40.64	0.0	0.84	V	41.48	53.98	12.50	AV
19035	53.36	0.0	0.21	H	53.57	73.98	20.41	PK
19035	41.43	0.0	0.21	H	41.64	53.98	12.34	AV

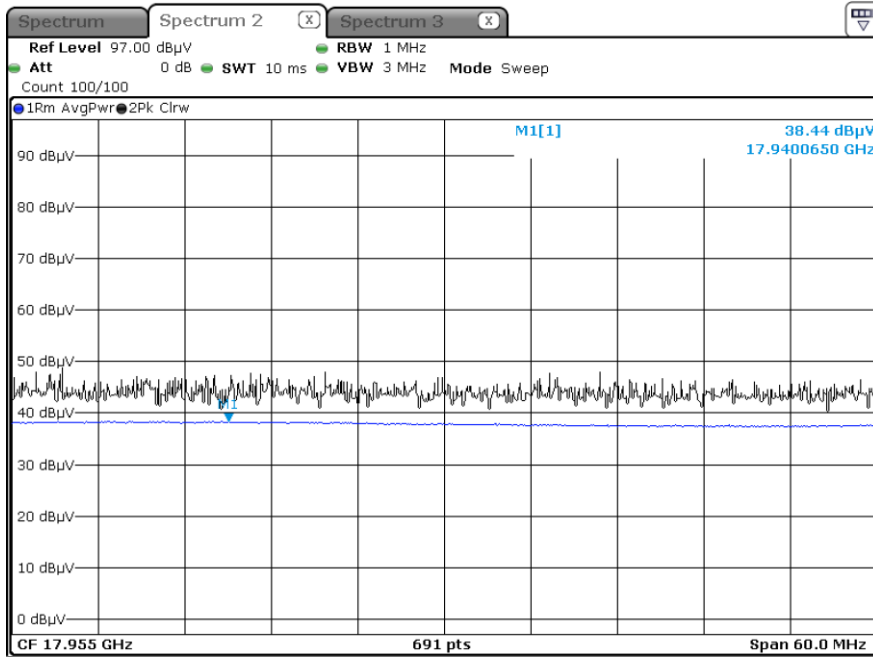
**Note:**

All Modes of operation were investigated and the worst case configuration results are reported. In order to simplify the report, We only have attached RSE result of worst case.

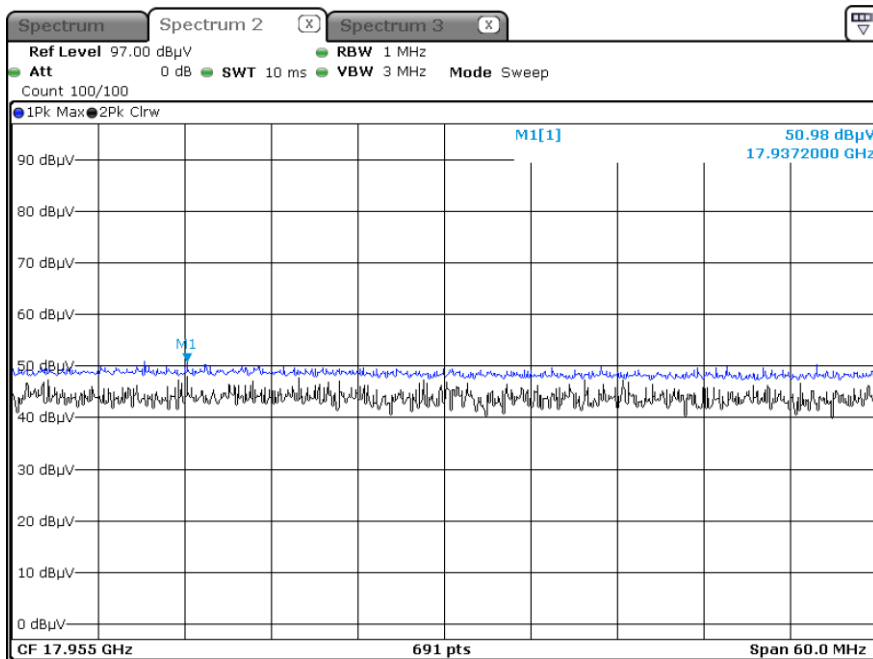
[MIMO]

▣ Test Plots\_996 Tone RU 67

Average result (802.11ax(HE80), Ch.7 3rd Harmonic, Y-H)



Peak result (802.11ax(HE80), Ch.7 3rd Harmonic, Y-H)



**Note:**

Only the worst case plots for Radiated Spurious Emissions.

**10.9 RADIATED RESTRICTED BAND EDGE**

**[SISO] 802.11a**

**1) 802.11a**

Band : UNII 5  
 Operation Mode: 802.11a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5955 MHz  
 Channel No. 1 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	41.27	0.00	11.38	H	52.65	88.23	35.58	PK
5925.0	29.23	0.28	11.38	H	40.89	68.23	27.34	AV
5925.0	40.58	0.00	11.38	V	51.96	88.23	36.27	PK
5925.0	29.13	0.28	11.38	V	40.79	68.23	27.44	AV
5350~5460	41.08	0.00	7.93	H	49.01	73.98	24.97	PK
5350~5460	29.08	0.28	7.93	H	37.29	53.98	16.69	AV
5350~5460	40.01	0.00	7.93	V	47.94	73.98	26.04	PK
5350~5460	29.08	0.28	7.93	V	37.29	53.98	16.69	AV

Band : UNII 8  
 Operation Mode: 802.11a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 7115 MHz  
 Channel No. 233 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	58.28	0.00	14.30	H	72.58	88.23	15.65	PK
#7125.5	48.35	0.28	14.30	H	62.93	68.23	5.30	AV
#7126.5	53.85	0.00	14.30	H	68.15	88.23	20.08	PK
#7126.5	43.46	0.28	14.30	H	58.04	68.23	10.19	AV
7127.0	57.05	0.00	14.30	H	71.35	88.23	16.88	PK
7127.0	42.97	0.28	14.30	H	57.55	68.23	10.68	AV
7250.0	39.78	0.00	14.22	H	54.00	73.98	19.98	PK
7250.0	28.71	0.28	14.22	H	43.21	53.98	10.77	AV
7250.0	38.62	0.00	14.22	V	52.84	73.98	21.14	PK
7250.0	28.13	0.28	14.22	V	42.63	53.98	11.35	AV

**Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)**



**[MIMO]**

**2) 802.11ax(HE20) 26 Tone**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch
RU Size	0

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	39.61	0.00	11.38	H	50.99	88.23	37.24	PK
5925.0	29.37	0.00	11.38	H	40.75	68.23	27.48	AV
5925.0	39.31	0.00	11.38	V	50.69	88.23	37.54	PK
5925.0	29.34	0.00	11.38	V	40.72	68.23	27.51	AV
5350~5460	41.55	0.00	7.93	H	49.48	73.98	24.50	PK
5350~5460	27.67	0.00	7.93	H	35.60	53.98	18.38	AV
5350~5460	41.04	0.00	7.93	V	48.97	73.98	25.01	PK
5350~5460	27.57	0.00	7.93	V	35.50	53.98	18.48	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE20)  
 Transfer Rate: MCS0  
 Operating Frequency 7115 MHz  
 Channel No. 233 Ch  
 RU Size 8

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	60.72	0.00	14.30	H	75.02	88.23	13.21	PK
#7125.5	48.49	0.00	14.30	H	62.79	68.23	5.44	AV
#7126.5	53.99	0.00	14.30	H	68.29	88.23	19.94	PK
#7126.5	41.52	0.00	14.30	H	55.82	68.23	12.41	AV
7127.0	59.52	0.00	14.30	H	73.82	88.23	14.41	PK
7127.0	40.44	0.00	14.30	H	54.74	68.23	13.49	AV
7250.0	40.05	0.00	14.22	H	54.27	73.98	19.71	PK
7250.0	28.45	0.00	14.22	H	42.67	53.98	11.31	AV
7250.0	39.26	0.00	14.22	V	53.48	73.98	20.50	PK
7250.0	28.11	0.00	14.22	V	42.33	53.98	11.65	AV

Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

**3) 802.11ax(HE20) 52 Tone**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch
RU Size	37

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	39.89	0.00	11.38	H	51.27	88.23	36.96	PK
5925.0	27.71	0.00	11.38	H	39.09	68.23	29.14	AV
5925.0	38.94	0.00	11.38	V	50.32	88.23	37.91	PK
5925.0	27.69	0.00	11.38	V	39.07	68.23	29.16	AV
5350~5460	41.87	0.00	7.93	H	49.80	73.98	24.18	PK
5350~5460	29.34	0.00	7.93	H	37.27	53.98	16.71	AV
5350~5460	41.52	0.00	7.93	V	49.45	73.98	24.53	PK
5350~5460	29.31	0.00	7.93	V	37.24	53.98	16.74	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE20)  
 Transfer Rate: MCS0  
 Operating Frequency 7115 MHz  
 Channel No. 233 Ch  
 RU Size 40

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	62.16	0.00	14.30	H	76.46	88.23	11.77	PK
#7125.5	48.16	0.00	14.30	H	62.46	68.23	5.77	AV
#7126.5	55.25	0.00	14.30	H	69.55	88.23	18.68	PK
#7126.5	41.58	0.00	14.30	H	55.88	68.23	12.35	AV
7127.0	61.59	0.00	14.30	H	75.89	88.23	12.34	PK
7127.0	41.37	0.00	14.30	H	55.67	68.23	12.56	AV
7250.0	39.35	0.00	14.22	H	53.57	73.98	20.41	PK
7250.0	28.37	0.00	14.22	H	42.59	53.98	11.39	AV
7250.0	39.12	0.00	14.22	V	53.34	73.98	20.64	PK
7250.0	28.22	0.00	14.22	V	42.44	53.98	11.54	AV

Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

**4) 802.11ax(HE20) 106 Tone**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch
RU Size	53

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	39.38	0.00	11.38	H	50.76	88.23	37.47	PK
5925.0	28.74	0.00	11.38	H	40.12	68.23	28.11	AV
5925.0	39.20	0.00	11.38	V	50.58	88.23	37.65	PK
5925.0	28.67	0.00	11.38	V	40.05	68.23	28.18	AV
5350~5460	41.06	0.00	7.93	H	48.99	73.98	24.99	PK
5350~5460	29.41	0.00	7.93	H	37.34	53.98	16.64	AV
5350~5460	40.59	0.00	7.93	V	48.52	73.98	25.46	PK
5350~5460	29.39	0.00	7.93	V	37.32	53.98	16.66	AV

Band :	UNII 8
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	7115 MHz
Channel No.	233 Ch
RU Size	54

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	61.56	0.00	14.30	H	75.86	88.23	12.37	PK
#7125.5	48.55	0.00	14.30	H	62.85	68.23	5.38	AV
#7126.5	54.52	0.00	14.30	H	68.82	88.23	19.41	PK
#7126.5	41.75	0.00	14.30	H	56.05	68.23	12.18	AV
7127.0	62.18	0.00	14.30	H	76.48	88.23	11.75	PK
7127.0	43.44	0.00	14.30	H	57.74	68.23	10.49	AV
7250.0	39.21	0.00	14.22	H	53.43	73.98	20.55	PK
7250.0	28.37	0.00	14.22	H	42.59	53.98	11.39	AV
7250.0	38.75	0.00	14.22	V	52.97	73.98	21.01	PK
7250.0	28.21	0.00	14.22	V	42.43	53.98	11.55	AV

Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

**5) 802.11ax(HE20) 242 Tone**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch
RU Size	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	42.33	0.00	11.38	H	53.71	88.23	34.52	PK
5925.0	29.21	0.00	11.38	H	40.59	68.23	27.64	AV
5925.0	43.05	0.00	11.38	V	54.43	88.23	33.80	PK
5925.0	29.12	0.00	11.38	V	40.50	68.23	27.73	AV
5350~5460	41.01	0.00	7.93	H	48.94	73.98	25.04	PK
5350~5460	29.38	0.00	7.93	H	37.31	53.98	16.67	AV
5350~5460	40.61	0.00	7.93	V	48.54	73.98	25.44	PK
5350~5460	29.32	0.00	7.93	V	37.25	53.98	16.73	AV

Band :	UNII 8
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	7115 MHz
Channel No.	233 Ch
RU Size	61

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	61.60	0.00	14.30	H	75.90	88.23	12.33	PK
#7125.5	50.88	0.10	14.30	H	65.28	68.23	2.95	AV
#7126.5	55.70	0.00	14.30	H	70.00	88.23	18.23	PK
#7126.5	44.02	0.10	14.30	H	58.42	68.23	9.81	AV
7127.0	63.25	0.00	14.30	H	77.55	88.23	10.68	PK
7127.0	44.69	0.10	14.30	H	59.09	68.23	9.14	AV
7250.0	40.09	0.00	14.22	H	54.31	73.98	19.67	PK
7250.0	28.32	0.10	14.22	H	42.64	53.98	11.34	AV
7250.0	39.12	0.00	14.22	V	53.34	73.98	20.64	PK
7250.0	28.12	0.10	14.22	V	42.44	53.98	11.54	AV

Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)



**6) 802.11ax(HE20) SU**

Band :	UNII 5
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5955 MHz
Channel No.	1 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	41.65	0.00	11.38	H	53.03	88.23	35.20	PK
5925.0	29.25	0.00	11.38	H	40.63	68.23	27.60	AV
5925.0	41.02	0.00	11.38	V	52.40	88.23	35.83	PK
5925.0	29.15	0.00	11.38	V	40.53	68.23	27.70	AV
5350~5460	40.55	0.00	7.93	H	48.48	73.98	25.50	PK
5350~5460	29.33	0.00	7.93	H	37.26	53.98	16.72	AV
5350~5460	40.21	0.00	7.93	V	48.14	73.98	25.84	PK
5350~5460	29.32	0.00	7.93	V	37.25	53.98	16.73	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE20)  
 Transfer Rate: MCS0  
 Operating Frequency 7115 MHz  
 Channel No. 233 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
#7125.5	63.25	0.00	14.30	H	77.55	88.23	10.68	PK
#7125.5	51.06	0.00	14.30	H	65.36	68.23	2.87	AV
#7126.5	56.69	0.00	14.30	H	70.99	88.23	17.24	PK
#7126.5	45.48	0.00	14.30	H	59.78	68.23	8.45	AV
7127.0	59.70	0.00	14.30	H	74.00	88.23	14.23	PK
7127.0	44.18	0.00	14.30	H	58.48	68.23	9.75	AV
7250.0	39.85	0.00	14.22	H	54.07	73.98	19.91	PK
7250.0	28.56	0.00	14.22	H	42.78	53.98	11.20	AV
7250.0	38.59	0.00	14.22	V	52.81	73.98	21.17	PK
7250.0	28.03	0.00	14.22	V	42.25	53.98	11.73	AV

Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

**7) 802.11ax(HE40) 484 Tone**

Band :	UNII 5
Operation Mode:	802.11ax(HE40)
Transfer Rate:	MCS0
Operating Frequency	5965 MHz
Channel No.	3 Ch
RU Size	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	40.91	0.00	11.38	H	52.29	88.23	35.94	PK
5925.0	29.29	0.20	11.38	H	40.87	68.23	27.36	AV
5925.0	40.79	0.00	11.38	V	52.17	88.23	36.06	PK
5925.0	29.24	0.20	11.38	V	40.82	68.23	27.41	AV

Band :	UNII 8
Operation Mode:	802.11ax(HE40)
Transfer Rate:	MCS0
Operating Frequency	7085 MHz
Channel No.	227 Ch
RU Size	65

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	42.71	0.00	14.30	H	57.01	88.23	31.22	PK
7127.0	28.81	0.20	14.30	H	43.31	68.23	24.92	AV
7250.0	39.94	0.00	14.22	H	54.16	73.98	19.82	PK
7250.0	28.16	0.20	14.22	H	42.58	53.98	11.40	AV
7127.0	41.52	0.00	14.30	V	55.82	88.23	32.41	PK
7127.0	28.60	0.20	14.30	V	43.10	68.23	25.13	AV
7250.0	39.62	0.00	14.22	V	53.84	73.98	20.14	PK
7250.0	28.11	0.20	14.22	V	42.53	53.98	11.45	AV

**8) 802.11ax(HE40) SU**

Band : UNII 5  
 Operation Mode: 802.11ax(HE40)  
 Transfer Rate: MCS0  
 Operating Frequency 5965 MHz  
 Channel No. 3 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	41.10	0.00	11.38	H	52.48	88.23	35.75	PK
5925.0	29.33	0.00	11.38	H	40.71	68.23	27.52	AV
5925.0	40.78	0.00	11.38	V	52.16	88.23	36.07	PK
5925.0	29.27	0.00	11.38	V	40.65	68.23	27.58	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE40)  
 Transfer Rate: MCS0  
 Operating Frequency 7085 MHz  
 Channel No. 227 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	38.68	0.00	14.30	H	52.98	88.23	35.25	PK
7127.0	27.94	0.00	14.30	H	42.24	68.23	25.99	AV
7250.0	39.65	0.00	14.22	H	53.87	73.98	20.11	PK
7250.0	28.12	0.00	14.22	H	42.34	53.98	11.64	AV
7127.0	38.52	0.00	14.30	V	52.82	88.23	35.41	PK
7127.0	27.46	0.00	14.30	V	41.76	68.23	26.47	AV
7250.0	38.79	0.00	14.22	V	53.01	73.98	20.97	PK
7250.0	27.24	0.00	14.22	V	41.46	53.98	12.52	AV

**9) 802.11ax(HE80) 996 Tone**

Band : UNII 5  
 Operation Mode: 802.11ax(HE80)  
 Transfer Rate: MCS0  
 Operating Frequency 5985 MHz  
 Channel No. 7 Ch  
 RU Size 67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	41.86	0.00	11.38	H	53.24	88.23	34.99	PK
5925.0	29.25	0.27	11.38	H	40.90	68.23	27.33	AV
5925.0	40.52	0.00	11.38	V	51.90	88.23	36.33	PK
5925.0	29.18	0.27	11.38	V	40.83	68.23	27.40	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE80)  
 Transfer Rate: MCS0  
 Operating Frequency 7025 MHz  
 Channel No. 215 Ch  
 RU Size 67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	39.78	0.00	14.30	H	54.08	88.23	34.15	PK
7127.0	28.09	0.27	14.30	H	42.66	68.23	25.57	AV
7250.0	39.78	0.00	14.22	H	54.00	73.98	19.98	PK
7250.0	28.36	0.27	14.22	H	42.85	53.98	11.13	AV
7127.0	39.42	0.00	14.30	V	53.72	88.23	34.51	PK
7127.0	28.05	0.27	14.30	V	42.62	68.23	25.61	AV
7250.0	39.74	0.00	14.22	V	53.96	73.98	20.02	PK
7250.0	28.24	0.27	14.22	V	42.73	53.98	11.25	AV

**10) 802.11ax(HE80) SU**

Band : UNII 5  
 Operation Mode: 802.11ax(HE80)  
 Transfer Rate: MCS0  
 Operating Frequency 5985 MHz  
 Channel No. 7 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	40.83	0.00	11.38	H	52.21	88.23	36.02	PK
5925.0	29.23	0.00	11.38	H	40.61	68.23	27.62	AV
5925.0	40.43	0.00	11.38	V	51.81	88.23	36.42	PK
5925.0	29.21	0.00	11.38	V	40.59	68.23	27.64	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE80)  
 Transfer Rate: MCS0  
 Operating Frequency 7025 MHz  
 Channel No. 215 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	38.93	0.00	14.30	H	53.23	88.23	35.00	PK
7127.0	27.91	0.00	14.30	H	42.21	68.23	26.02	AV
7250.0	39.05	0.00	14.22	H	53.27	73.98	20.71	PK
7250.0	28.56	0.00	14.22	H	42.78	53.98	11.20	AV
7127.0	38.78	0.00	14.30	V	53.08	88.23	35.15	PK
7127.0	27.59	0.00	14.30	V	41.89	68.23	26.34	AV
7250.0	38.92	0.00	14.22	V	53.14	73.98	20.84	PK
7250.0	28.42	0.00	14.22	V	42.64	53.98	11.34	AV

**11) 802.11ax(HE160) 996 Tone**

Band : UNII 5  
 Operation Mode: 802.11ax(HE160)\_80L  
 Transfer Rate: MCS0  
 Operating Frequency 6025 MHz  
 Channel No. 15 Ch  
 RU Size 67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	50.22	0.00	11.38	H	61.60	88.23	26.63	PK
5925.0	30.56	0.32	11.38	H	42.26	68.23	25.97	AV
5925.0	49.82	0.00	11.38	V	61.20	88.23	27.03	PK
5925.0	30.36	0.32	11.38	V	42.06	68.23	26.17	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE160)\_80U  
 Transfer Rate: MCS0  
 Operating Frequency 6985 MHz  
 Channel No. 207 Ch  
 RU Size 67

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F- A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	45.01	0.00	14.30	H	59.31	88.23	28.92	PK
7127.0	28.44	0.32	14.30	H	43.06	68.23	25.17	AV
7250.0	38.90	0.00	14.22	H	53.12	73.98	20.86	PK
7250.0	28.49	0.32	14.22	H	43.03	53.98	10.95	AV
7127.0	44.28	0.00	14.30	V	58.58	88.23	29.65	PK
7127.0	28.12	0.32	14.30	V	42.74	68.23	25.49	AV
7250.0	38.45	0.00	14.22	V	52.67	73.98	21.31	PK
7250.0	28.03	0.32	14.22	V	42.57	53.98	11.41	AV

**12) 802.11ax(HE160) SU**

Band : UNII 5  
 Operation Mode: 802.11ax(HE160)  
 Transfer Rate: MCS0  
 Operating Frequency 6025 MHz  
 Channel No. 15 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5925.0	41.48	0.00	11.38	H	52.86	88.23	35.37	PK
5925.0	29.26	0.00	11.38	H	40.64	68.23	27.59	AV
5925.0	40.92	0.00	11.38	V	52.30	88.23	35.93	PK
5925.0	29.22	0.00	11.38	V	40.60	68.23	27.63	AV

Band : UNII 8  
 Operation Mode: 802.11ax(HE160)  
 Transfer Rate: MCS0  
 Operating Frequency 6985 MHz  
 Channel No. 207 Ch

Frequency [MHz]	Measured Level [dBμV]	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
7127.0	38.83	0.00	14.30	H	53.13	88.23	35.10	PK
7127.0	28.21	0.00	14.30	H	42.51	68.23	25.72	AV
7250.0	39.67	0.00	14.22	H	53.89	73.98	20.09	PK
7250.0	28.38	0.00	14.22	H	42.60	53.98	11.38	AV
7127.0	38.57	0.00	14.30	V	52.87	88.23	35.36	PK
7127.0	28.05	0.00	14.30	V	42.35	68.23	25.88	AV
7250.0	38.42	0.00	14.22	V	52.64	73.98	21.34	PK
7250.0	28.05	0.00	14.22	V	42.27	53.98	11.71	AV

**Note:**

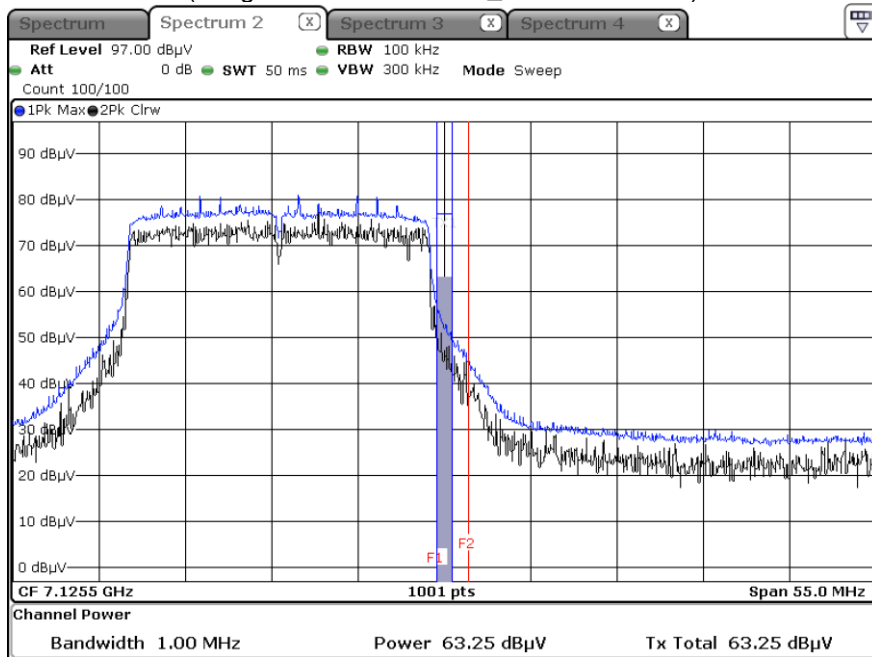
All Modes of operation were investigated and the worst case configuration results are reported.  
 In order to simplify the report, We only have attached Bandedge result of worst case.



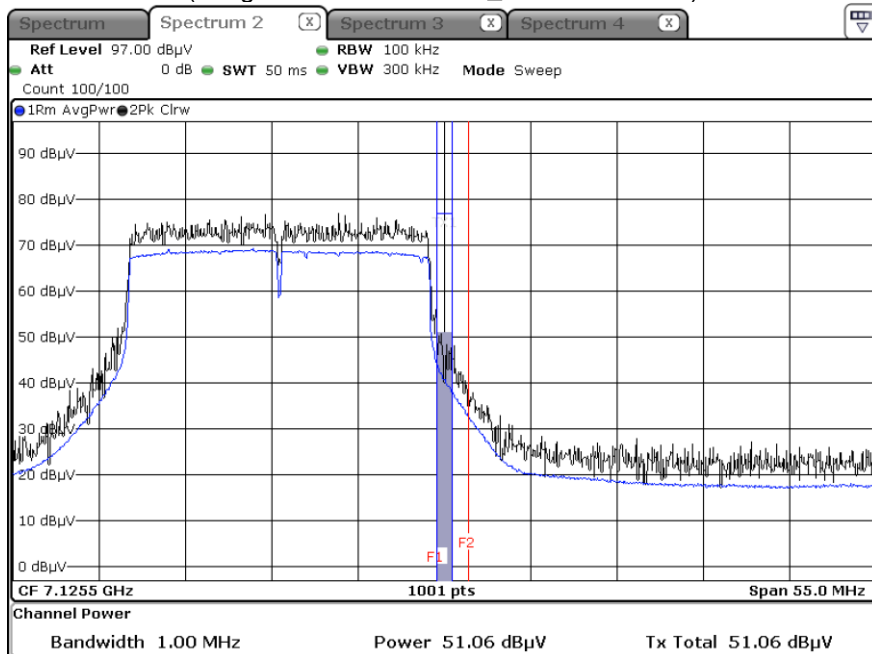
▣ Test Plots(UNII 8)\_High Edge

[MIMO]

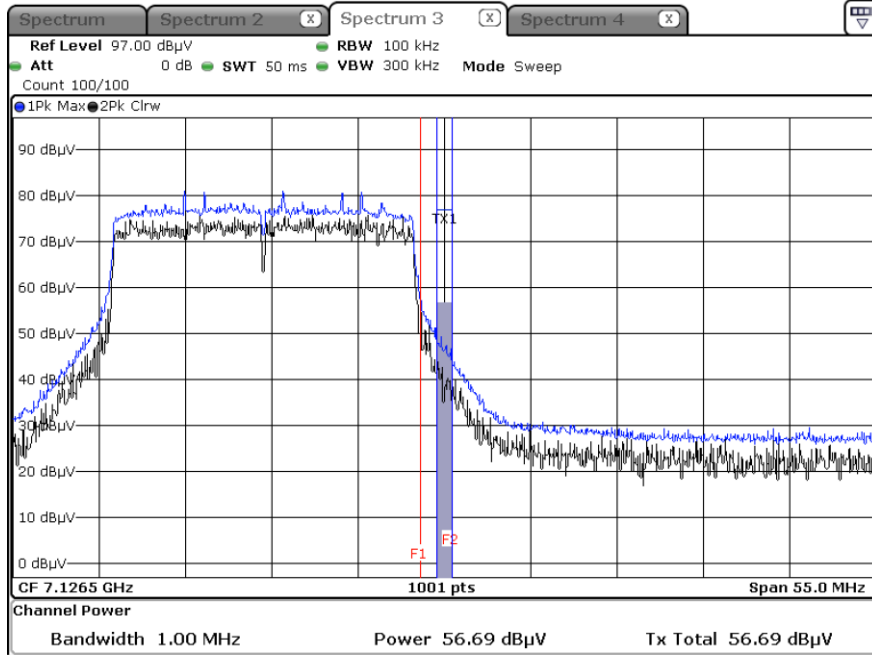
Peak result (802.11ax(HE20), Ch.233) – SU  
(Integration method Used\_7125~7126MHz)



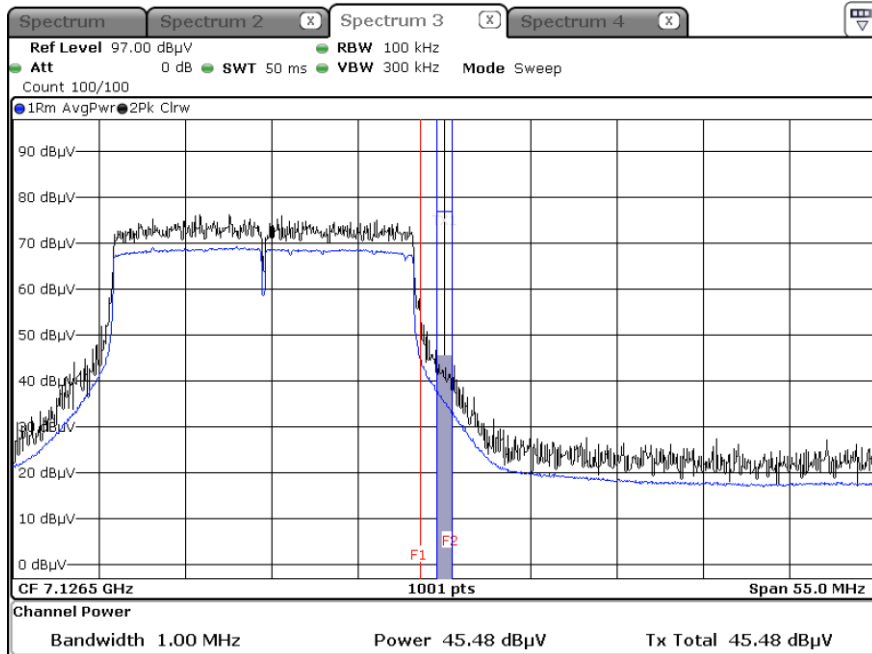
Average result (802.11ax(HE20), Ch.233) – SU  
(Integration method Used\_7125~7126MHz)



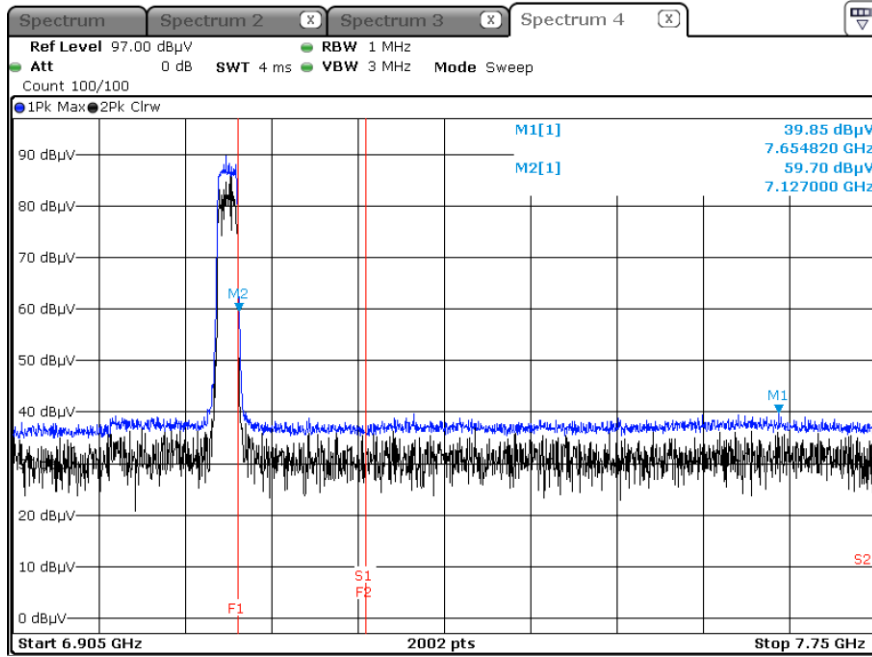
Peak result (802.11ax(HE20), Ch.233) – SU  
(Integration method Used\_7126~7127MHz)



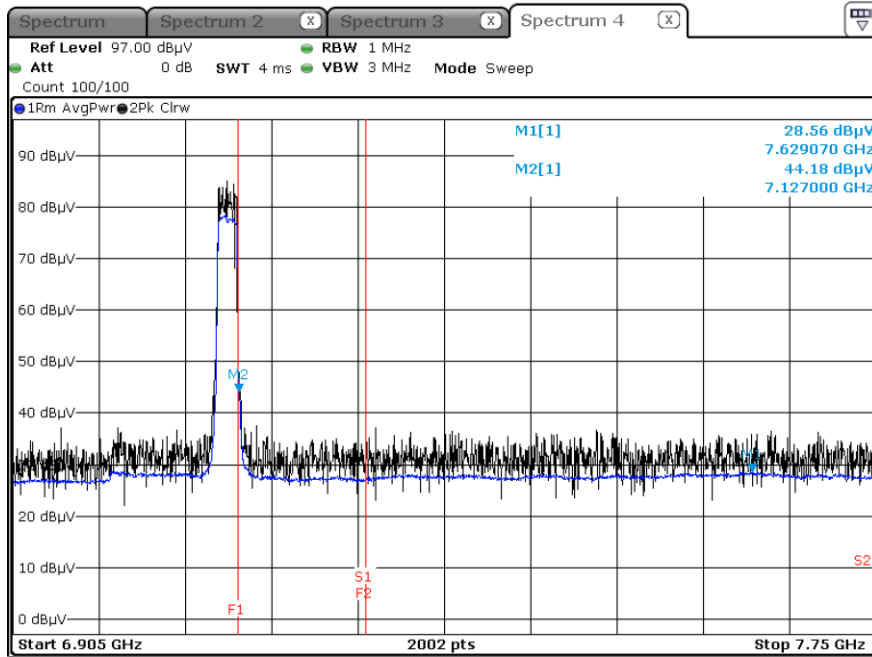
Average result (802.11ax(HE20), Ch.233) – SU  
(Integration method Used\_7126~7127MHz)



Peak result (802.11ax(HE20), Ch.233) - SU



Average result (802.11ax(HE20), Ch.233) - SU



**Note:**

Only the worst case plots for Radiated Restricted Band Edge.

**10.10 POWERLINE CONDUCTED EMISSIONS**

**Conducted Emissions (Line 1)**

6e WLAN L1

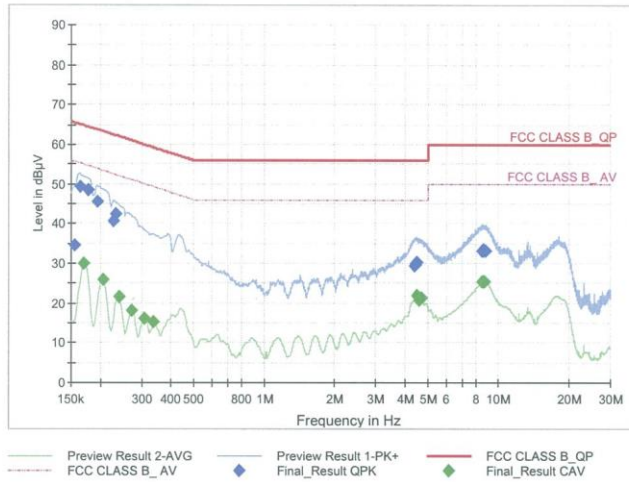
1 / 2

**Test Report**

**Common Information**

EUT : SM-G736B/DS  
 Manufacturer : SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions : 6e WLAN L1

Full Spectrum



**Final Result QPK**

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1545	34.74	65.75	31.01	9.000	L1	OFF	9.6
0.1635	49.34	65.28	15.94	9.000	L1	OFF	9.6
0.1770	48.47	64.63	16.15	9.000	L1	OFF	9.6
0.1950	45.46	63.82	18.36	9.000	L1	OFF	9.6
0.2265	40.70	62.58	21.88	9.000	L1	OFF	9.6
0.2333	42.33	62.33	20.00	9.000	L1	OFF	9.6
4.3948	29.45	56.00	26.55	9.000	L1	OFF	9.8
4.4195	29.62	56.00	26.38	9.000	L1	OFF	9.8
4.4308	30.00	56.00	26.00	9.000	L1	OFF	9.8
4.4398	30.09	56.00	25.91	9.000	L1	OFF	9.8
4.4645	30.40	56.00	25.60	9.000	L1	OFF	9.8
4.4870	30.20	56.00	25.80	9.000	L1	OFF	9.8
8.5145	33.08	60.00	26.92	9.000	L1	OFF	10.0
8.5550	33.26	60.00	26.74	9.000	L1	OFF	10.0
8.5663	33.35	60.00	26.65	9.000	L1	OFF	10.0
8.5775	33.30	60.00	26.70	9.000	L1	OFF	10.0
8.7598	33.14	60.00	26.86	9.000	L1	OFF	10.0
8.7890	33.28	60.00	26.72	9.000	L1	OFF	10.0

2022-04-21

오후 8:25:07

6e WLAN L1

2 / 2

**Final Result CAV**

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1703	30.10	54.95	24.85	9.000	L1	OFF	9.6
0.2063	25.87	53.36	27.49	9.000	L1	OFF	9.6
0.2400	21.56	52.10	30.53	9.000	L1	OFF	9.6
0.2738	18.20	51.00	32.81	9.000	L1	OFF	9.6
0.3098	16.15	49.98	33.82	9.000	L1	OFF	9.6
0.3390	15.18	49.23	34.05	9.000	L1	OFF	9.6
4.4713	21.93	46.00	24.07	9.000	L1	OFF	9.8
4.4825	21.96	46.00	24.04	9.000	L1	OFF	9.8
4.4938	21.90	46.00	24.10	9.000	L1	OFF	9.8
4.5275	21.54	46.00	24.46	9.000	L1	OFF	9.8
4.5793	20.81	46.00	25.19	9.000	L1	OFF	9.8
4.6738	21.28	46.00	24.72	9.000	L1	OFF	9.8
8.5123	25.42	50.00	24.58	9.000	L1	OFF	10.0
8.5550	25.43	50.00	24.57	9.000	L1	OFF	10.0
8.5663	25.48	50.00	24.52	9.000	L1	OFF	10.0
8.5775	25.49	50.00	24.51	9.000	L1	OFF	10.0
8.5978	25.44	50.00	24.56	9.000	L1	OFF	10.0
8.7395	25.33	50.00	24.67	9.000	L1	OFF	10.0

2022-04-21

오후 8:25:07

**Conducted Emissions (Line 2)**

6e WLAN N

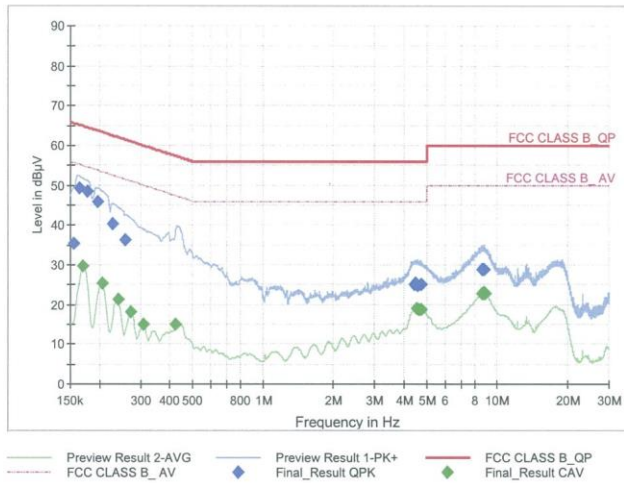
1 / 2

**Test Report**

**Common Information**

EUT : SM-G736B/DS  
 Manufacturer : SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions : 6e WLAN N

Full Spectrum



**Final Result QPK**

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1545	35.56	65.75	30.20	9.000	N	OFF	9.6
0.1635	49.31	65.28	15.97	9.000	N	OFF	9.6
0.1770	48.50	64.63	16.12	9.000	N	OFF	9.6
0.1973	45.95	63.73	17.77	9.000	N	OFF	9.6
0.2265	40.50	62.58	22.07	9.000	N	OFF	9.6
0.2580	36.42	61.50	25.08	9.000	N	OFF	9.6
4.4510	25.16	56.00	30.84	9.000	N	OFF	9.8
4.4848	25.43	56.00	30.57	9.000	N	OFF	9.8
4.5230	25.16	56.00	30.84	9.000	N	OFF	9.8
4.5275	25.15	56.00	30.85	9.000	N	OFF	9.8
4.5703	24.83	56.00	31.17	9.000	N	OFF	9.8
4.7300	25.06	56.00	30.94	9.000	N	OFF	9.8
8.6158	28.75	60.00	31.25	9.000	N	OFF	10.0
8.6675	28.76	60.00	31.24	9.000	N	OFF	10.0
8.7080	28.72	60.00	31.28	9.000	N	OFF	10.0
8.7193	28.71	60.00	31.29	9.000	N	OFF	10.0
8.7868	28.86	60.00	31.14	9.000	N	OFF	10.0
8.8295	28.91	60.00	31.09	9.000	N	OFF	10.0

2022-04-21

오후 8:32:44

6e WLAN N

2 / 2

**Final Result\_CAV**

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1703	29.73	54.95	25.22	9.000	N	OFF	9.6
0.2063	25.52	53.36	27.84	9.000	N	OFF	9.6
0.2400	21.35	52.10	30.75	9.000	N	OFF	9.6
0.2738	18.17	51.00	32.83	9.000	N	OFF	9.6
0.3075	14.88	50.04	35.15	9.000	N	OFF	9.6
0.4245	14.86	47.36	32.50	9.000	N	OFF	9.7
4.5230	19.04	46.00	26.96	9.000	N	OFF	9.8
4.5275	18.93	46.00	27.07	9.000	N	OFF	9.8
4.5568	18.91	46.00	27.09	9.000	N	OFF	9.8
4.6243	18.79	46.00	27.21	9.000	N	OFF	9.8
4.7300	18.82	46.00	27.18	9.000	N	OFF	9.8
4.7435	18.78	46.00	27.22	9.000	N	OFF	9.8
8.6000	22.77	50.00	27.23	9.000	N	OFF	10.0
8.6315	22.77	50.00	27.23	9.000	N	OFF	10.0
8.6855	22.92	50.00	27.08	9.000	N	OFF	10.0
8.7868	23.00	50.00	27.00	9.000	N	OFF	10.0
8.8520	22.92	50.00	27.08	9.000	N	OFF	10.0
8.9510	22.65	50.00	27.35	9.000	N	OFF	10.0

2022-04-21

오후 8:32:44

## 11. LIST OF TESTEQUIPMENT

### Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/23/2022	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/17/2022	Annual
Temperature Chamber	SU-642	ESPEC	0093008124	03/04/2023	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	101231	07/02/2022	Annual
Power Meter	N1911A	Agilent	MY45100523	03/24/2023	Annual
Power Sensor	N1921A	Keysight	MY57820067	03/24/2023	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2022	Annual
Power Splitter	11667B	Hewlett Packard	05001	05/20/2022	Annual
DC Power Supply	E3646A	Agilent	MY40002937	12/14/2022	Annual
Attenuator(10 dB)	8493C	Hewlett Packard	07560	06/18/2022	Annual
4 Way Power Divider	4426-4	Narda	11927	01/18/2023	Annual
VECTOR SIGNAL GENERATOR	SMW200A	Rohde & Schwarz	100988	03/10/2023	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A
Wireless AP	GT-AXE11000	ASUS	M6IAJF201782 (FCC ID : MSQ-RTAXJF00)	N/A	N/A

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.



**Radiated Test**

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/22/2023	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	05/19/2022	Biennial
Horn Antenna (15GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	10/13/2022	Biennial
Spectrum Analyzer	FSV40-N	Rohde & Schwarz	102168	07/05/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/24/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/24/2022	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2023	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/07/2023	Annual
High Pass Filter	WHK3.0/18G-10EF	Wainwright Instruments	8	01/21/2023	Annual
High Pass Filter	WHKX8-6090-7000-18000-40SS	Wainwright Instruments	25	01/21/2023	Annual
Attenuator (3 dB)	18B-03	Api tech.	1	01/21/2023	Annual
Attenuator(10 dB)	8493C-10	Agilent	08285	01/21/2023	Annual
Power Amplifier	CBLU1183540	CERNEX	22964	01/21/2023	Annual
Power Amplifier	CBL06185030	CERNEX	22965	01/21/2023	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/02/2022	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/11/2023	Annual
High Pass Filter	WHKX10-7150-8000-18000-50SS	Wainwright Instruments	1	03/11/2023	Annual

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

**12. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2205-FC008-P